रजिस्टर्ड सं. डी--(डी एन)--128/91 REGISTERED NO. D.--(D.N.) 128/91

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 8] NEW DELHI, SATURDAY, FEBRUARY 23, 1991 (PHALGUNA 4, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 23rd February, 1991

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Telegraphic address "PATENTOFIC".

Patent Office Branch,
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Telegraphic address "PATENTOFIS".

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"NIZAM PALACE", 2nd M.S.O. Bldg.,
5th, 6th and 7th Floor,
234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दि फरवरी 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिदिवि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed under section 135, of the Patents Act, 1970.

16th January, 1991

46/Cal/91 American Cyanamid Company. Visible light reduction in non-visible chemical light devices.

47/Cal/91 Indian Jute Industries' Research Association. A process for utilisation of shaker dust obtained from jute mills by anaerobic fermentation of shaker dust for total conversion of bio-mass present into it to various fuels including biogas, solid fuel briquettes and organic manure.

17th January, 1991

48/Cal/91 Atochem North America, Inc. Process for converting carbon disulfide to hydrogen sulfide in hydrogen sulfide/carbon disulfide mixtures.

49/Cal/91 Lantor B.V. Expandable tape for use in the manufacture of cables and cables containing the same.
[Divisional date 9th December, 1987]

50/Cal/91 Ki Won Song and Daihar Leisure Investment & Development Co., Ltd. Tire protector.

18th January, 1991

51/Cal/91 The University of Sydney and The Electricity Commission of New South Wales. A gas cooled cathode for an arc torch.
[Convention date 17th January, 1990; No. PJ 8227; AUSTRALIA]

52/Cal/91 Projects & Development India Limited. A process for the preparation of a catalyst containing Cu, Zn and Al in the oxide from suitable for the synthesis of methanol.

53/Cal/91 Merck Patent Gesellschaft mit beschrankter Haftung. Glaze-stable coloured pigment.

54/Cal/91 Stee:Swprth Limited. Improved cutting rings and CTC rollers having the same for CTC machines.

55/Cal/91 Telemecanique. Method of manufacturing a prewired electromechanical device.

22nd January, 1991

56/Cal/91 Siemens Aktiengesellschaft. Fitting for joining at least one hybrid burner to apparatus for supplying a fluid fuel.

57/Cal/91 Metallgesellschaft Aktiengesellschaft. Processes and apparatuses for separating a stream of bulk material into fractions differing in particle size.

58/Cal/91 Degussa Aktiengesellschaft. A process for the production of fillers modified with organosilicon compounds, the fillers thus modified and their use.

59/Cal/91 Krone Aktiengesellschaft. Connecting block for the telecommunication and data technology.

60/Cal/91 Critikon, Inc. Catheter with controlled valve.

61/Cal/91 Hoechst Aktiengesellschaft. Process for the preparation of 2—hydroxy-naphthalene-6-carboxylic acid.

62/Cal/91 General Electric Company. Thermal Linear actuator for rotor air flow control in a gas turbine.-

63/Cal/91 General Electric Company. Gas turbine flame detection system with reflected flame radiation attenuator.

64/Cal/91 Hitachi, Ltd. Fault tree displaying method and process diagnosis support system.

65/Cal/91 Deutsche Thomson-Brandt Gmbh. Switch mode power supply.

66/Cal/91 Kotamrazu Krishna Mohan Sharma. Fibre cement detachable joint.

67/Cal/91 Westinghouse Electric Corporation. Improvements in or relating to retightenable strain block for generator end turn windings.

68/Cal/91 Hoechst Celanese Corporation. Purification of 1, 1, 1—Tris (4'—Hydroxyphenyl) ethane.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-5.

3rd December, 1990

1218/Del/90 AEG Westinghouse Industrial Automation Corporation, "A method for rolling on-gage head and tail ends of a workpiece".

1219/Del/90 AEG Westinghouse Industrial Automation Corporation, "A control system and method for compensation for speed effect in a tandem cold mill".

1220/Del/90 Sony Corporation, "Magnetic tape cassette having dynamic tape guide".

1221/Del/90 GEC Alsthom SA, "A high tension dc current-limiting circuit breaker".

4th December 1990

1222/Del/90 Permabase., Inc., "Immobilization of incinerator ash toxic elements in an environmentally safe soil cement composition and method of manufacture".

1223/Del/90 Prem Dutta Grover & Nandu Ram Sharma, "Process for manufacturing of better combustible rice straw".

1224/Del/90 Steel Authority of India Ltd. "Alloy chemistry and process technology for the production of acicular ferrite microstructure in Ti-bearing HSLA steels".

1225/Del/90 BP Chemicals (Additives) Ltd. "A process for preparation of an additive concentrate for incorporating in a lubricating oil and a lubricating oil composition". [Divisional date 30th November, 1987]. Convention date 29th Nov. 86 (U.K.)

1226/Del/90 Coflexip, "Flexible tubular conduit".

1227/Del/90 Telemecanique, "Detector of the regulated voltage two wire type".

5th December, 1990

1228/Del/90 Associated Engineers & Others, "A charge dissipation unit".

1229/Del/90 Tolado Computator Co., "Electrical commutator and method for making same".

1230/Del/90 BP Chemicals (additives) Ltd., "Alkaline earth metal hydrocarbyl phenates, their sulphurised derivatives, their production and use thereof". [Divisional date 30th November, 1987]. Convention date 29th Nov. 86 (U.K.)

1231/Del/90 PCN one Ltd., "Cellular radio communication system for use with low power remote stations". (Convention date 11th December, 89 & 8th January, 90) (U.K.).

1232/Del/90 PCN one Ltd., "Mobile radio Communication system". (Convention date 11th December, 89) (U.K.).

1233/Del/90 Ethyl Corporation, "Process for preparing ibuprofen and its alkyl esters".

6th December, 1990

1234/Del/90 Conventry Polytechnic Higher Education Corporation, "Internal combustion Engine". (Convention date 6th December, 89, 31 st January, 90 & 8th February, 1990) (U.K.).

1235/Del/90 Imperial Chemical Industries PLC, "Copolymer production". (Convention date 8th December, 89) (U.K.).

1236/Del/90 Q Sound Ltd., "Sound imaging system for a video game".

7th December, 1990

1237/Del/90 International Business Machines Corporation, "A microcomputer system". (Convention date 27th October, 87) (U.K.) & [Divisional date 20th January 1988].

1238/Del/90 Laboratories Del Dr. Esteve, S.A., "A process for the manufacture of medicinal products".

1239/Del/90 Bohler Gesellschaft m.b.H, "Cold worked steel with a high crush strength and use of this steel".

1240/Del/90 ERB Enterprises, Inc., "Sales records".

1241/Del/90 Norsk Hydro a.s., "Method for production of crosslinked plastic foam".

10th December, 1990

1242/Del/90 Darshani Kumari Sharma, "A sealing device".

1243/Del/90 Stein-Heurtey, "Device for storage of metallurgical products, such as thin slabs"

1244/Del/90 Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S), "Preparation process of glycerol derivatives". (Convention date 22nd December, 89) (U.K.).

11th December, 1990

1245/Del/90 Motorola Inc., "Packet handling method".

1246/Del/90 Sanford Redmond Inc., "Method and apparatus for collating automatically produced packages or other production units"

1247/Del/90 Paul Wurth S.A., "Apparatus for installing or removing shaft furnace tuyeres or tymps".

12th December, 1990

1248/Del/90 C.R. Bard, Inc., "Laser catheter having diffraction grating for beam shaping".

1249/Del/90 Texas Instruments Incorporated, "A method of fabricating a bipolar transistor on a substrate and a vertical bipolar transistor". [Divisional date 20th January, 88].

1250/Del/90 BP Chemicals Ltd., "Catalyst and prepolymer used for the preparation of polyolefins".

1251/Del/90 BP Chemicals Ltd., "Catalyst and prepolymer used for the preparation of polyolefins".

1252/Del/90 BP Chemicals Ltd., "Process for the gas phase (CO) polymerisation of ethylene".

13th December, 1990

1253/Del/90 Shell Internationale Research Maatschappij B.V, "Multistage reactor" (Convention date 15th December, 89) (U.K.).

1254/Del/90 Weyerhaeuser Co., "Method of supporting fractures in geological formations and hydraulic fluid composition for same".

1255/Del/90 Exxon Chemical Patents, Inc., "Process and apparatus for polymer extrudate shape control and conveying".

1256/Del/90 Exxon Chemical Patents, Inc., "Process for low-temperature elastomer finishing".

1257/Del/90 Exxon Chemical Patents, Inc., "Partially crosslinked elastomeric polymers and process for producing the same".

14th December, 1990

1258/Del/90 Ayikoue Assiagnon Atayi, "Material of construction obtained from plant residues and process for obtaining it".

1259/Del/90 Digital Equipment Corporation, "High performance adder using carry predictions".

1260/Del/90 The Standard Oil Co., "Process for the manufacture of acrylonitrile and methacrylonitrile".

1261/Del/90 N.V. Bekaert S.A., "Steel substrate for reinforcement of elastomers".

17th December, 1990

1262/Del/90 The Lubrizol Corporation, "Universal driveline fluid".

1263/Del/90 Sherritt Gordon Ltd., "Recovery of metal values from zinc plant residues". (Convention date 5th December, 1989) (U.K.).

1264/Del/90 William Alexander Erwin, "Valve assemblies". (Convention date 16th December, 89) (U.K.).

18th December, 1990

1265/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of a dry cellulose esters blend membrane for reverse osmosis".

1266/Del/90 Council of Scientific & Industrial Research, "A process for the manufacture of non precious metal oxide anodes doped with platinum group metal oxide for electrochemical processes".

1267/Del/90 Council of Scientific & Industrial Research, "A process for the conversion of methane to ethylene oxide".

1268/Del/90 Council of Scientific & Industrial Research, "An improved process for the oxidative convention of methane to higher hydrocarbons using rare earth metal promoted Mgo catalysts".

1269/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of 2, 2-dimethyl-5-(2, 5-dimethyl phenoxy) pentanoic acid, known as gemfibrozil".

1270/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of composite catalysts containing rare earth and calcium oxides useful for oxidative conversion of methane to higher hydrocarbons".

1271/Del/90 Council of Scientific & Industrial Research, "An improved process for the oxidative conversion of methane to higher hydrocarbons using composite catalysts containing oxides of rare earth and calcium".

1272/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of 5, 8-dihydro-1-naphthol".

1273/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of *cis*—5—[3—(1, 1—dimethylethyl) amino—2—hydroxypropoxy]—1, 2, 3, 4—tetrahydro—2, 3—naphthalenediol, known as (Nadolol), useful as a B—adrenergic blocking agent".

1274/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of sorbent extrudes useful for high temperature desulphurisation of coal burning gases".

1275/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of 1—ethoxy or 1—cyano—5—substituted—11—methyl—10—aza—4, 6, 12—trioxatricyclo (7, 2, 1, 0, 2, 8) dodec—10 ene".

1276/Del/90 Council of Scientific & Industrial Research, "A process for the synthesis of 4, 5—substituted 2—oxo—4—oxazolidine carboxylic acids".

1277/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of 5—methoxy—2 (3, 5—dimethyl—2—pyridinyl) methyl (sulfinyl)—1—H—benzimidazole (omeprazole)".

1278/Del/90 Council of Scientific & Industrial Research, "An improved process for the Autocatalytic (electroless) deposition of nickel on metallic surfaces from acidic baths".

1279/Del/90 Council of Scientific & Industrial Research, "An improved process for the pickling of brass and other copper based alloys in sulphuric acid-hydrogen peroxide mixture".

1280/Del/90 Council of Scientific & Industrial Research, "A novel flux for the production of superior quality zinc base alloys". [Divisional date 17th December, 90].

1281/Del/90 Council of Scientific & Industrial Research, "An improved process for iron electroforming using cast iron as an anode".

1282/Del/90 Council of Scientific & Industrial Research, "A process for extraction of nickel and cobalt from overburden of chromite ores".

1283/Del/90 Council of Scientific & Industrial Research, "An improved process for making dense sintered synthetic zirconia-mullite grains/aggregates".

1284/Del/90 Council of Scientific & Industrial Research, "An improved process for the passivation treatment of galvanized surface in low chromate bath".

1285/Del/90 Council of Scientific & Industrial Research, "An improved process for the extraction of nickel, copper & cobalt from manganese sea nodules using high volatile non coking coal as reductant".

1286/Del/90 Shell Internationale Research Maatschappij B.V., "Continuous process for the preparation of polymers of carbon monoxide with one or more olefinically unsaturated compounds".

1287/Del/90 The Lubrizol Corporation, "High temperature functional fluids".

1288/Del/90 Soletanche, "Process for manufacturing a piling of a predetermined depth, particularly on the ocean floor and apparatus for implementing the process". [Divisional date 21st October, 1987].

1289/Del/90 BP Chemicals (Additives) Ltd. "A process for the production of an additive concentrate suitable for incorporation into a finished lubricating oil composition". (Convention date 29th November, 86) (U.K.). [Divisional date 30th November, 87].

1290/Del/90 Smithkline Beecham Corporation & Other, "Anti-*parasitic composition for animal use*".

19th December, 1990

1291/Del/90 Amarjit Singh Johal, "Process for the preparation of improved brick and the improved brick so prepared".

1292/Del/90 Purolator India Ltd. "A centre support for use in a filter insert".

1293/Del/90 BP Chemicals Ltd. "Process for preparing a ziegler-natta type catalyst".

1294/Del/90 BP Chemicals Ltd. "Process for preparing a ziegler-natta type catalyst".

1295/Del/90 Shell Internationale Research Maatschappij B.V., "Anionic Polymerization catalyst compositions". (Convention date 21st December, 89) (U.K.).

1296/Del/90 Apple Computer, Inc. "An improved disk drive controller for controlling the transfer of data between a computer and a disk drive". (Convention date 25th August, 87) (U.K.) & [Divisional date 135/Del/88].

1297/Del/90 Tekung Lee, "Disposable Diapper with adherent alarm".

1298/Del/90 Forrest Scientific Research Ltd. "Method and apparatus for magnetic inhibition of protista". (Convention date 19th December, 89) (Newzealand).

20th December, 1990

1299/Del/90 The Procter & Gamble Co. "Fitted belt for absorbent garment"

1300/Del/90 Andrew William Steer, "Needle Protector". (Convention date 21st December, 89 & 26th March, 90) (U.K.).

1301/Del/90 Paul Clayton & Others, "Offshore container". (Convention date 21th December, 89, 20th April, 90 & 25th April, 90) (U.K.).

1302/Del/90 Russell D. Ide, "High pressure downhole progressive cavity drilling apparatus with lubricating flow restrictor".

21st December, 1990

1303/Del/90 Wg. Cdr. Sat Pal Choudhary (Retd), "Thermostat for use in electrical appliance called electric iron".

1304/Del/90 Whirlpool Corporation, "High performance washing process for vertical axis automatic washer".

1305/Del/90 Whirlpool Corporation, "Spray rinse process for vertical axis automatic washer".

1306/Del/90 Alcan International Ltd. "Process for converting dross residues to useful products".

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

31st December, 1990

1053/Mas/90 Refurbished Turbine Components Limited. Apparatus for and method of repair of turbine blades. (January 10, 1990; United Kingdom)

1054/Mas/90 Zimmermann & Jansen GmbH. A closing apparatus for the bottom pouring hole of a casting ladle.

1055/Mas/90 Zimmermann & Jansen GmbH. An apparatus for controlled adjustment of a stopper of a distributor channel or the like in a continuous casting plant.

1056/Mas/90 Sendamanglam Parthasarthy Gopalakrishnan. Burglar-proof Auto- pedal lock.

1st January, 1991

1/Mas/91 Sendamanglam Parthasarthy Gopalakrishnan, Insta-fix tax token holder.

2/Mas/91 Laboratories Biotrol. Apparatus for carrying out automatically in several successive steps in immuno assay of at least one biological substance in a plurality of biological substance in a plurality of biological samples method and reagent using the said apparatus.

2nd January, 1991

3/Mas/91 M. Mohamed Ali. Sea wave power generator.

4/Mas/91 International Instruments Limited. A combined analyser system and microprocessor based electronic tachograph recording and indicating system.

5/Mas/91 Minnesota Mining and Manufacturing Company. Reusable mechanical connector for optical fibers.

3rd January, 1991

6/Mas/91 Thirumalai Anandampillai Vijayan. An improved kitchen sink.

7/Mas/91 Amsted Industries Incorporated. Slackless coupler connection for a railway vehicle.

4th January, 1991

8/Mas/91 Dr. Reinhart von Nordenskjold. Float aerator.

ALTERATION OF DATE UNDER SECTION 16

168237 (737/Cal/88) : Ante-dated May 07, 1985.

168240 (984/Cal/88) : Ante-dated February 04, 1988.

168248 (717/Cal/88) : Ante-dated June 26, 1985.

168249 (801/Cal/88) : Ante-dated February 05, 1985.

168250 (1031/Cal/88) : Ante-dated October 16, 1985.

OPPOSITION PROCEEDINGS UNDER SECTION 25

(1)

The Opposition entered by M/s. Ignition Products, Tamil Nadu to the grant of a patent on application for Patent No. 156941 made by M/s. Jaya Hind Industries Limited, Pune as notified in Part III, Section 2 of the Gazette of India, dated the 10th May, 1986 has been dismissed but the application will not proceed to sealing since in another opposition for the same application for patent the opposition succeeded.

(2)

An Opposition has been entered by Kinetic Engineering Limited, Pune, Maharashtra to the grant of a Patent in Patent Application No. 166903 made by Bajaj Auto Limited, Pune, Maharashtra.

(3)

An Opposition has been entered by Kinetic Engineering Limited, Pune, Maharashtra to the grant of a patent on application No. 166764 made by Bajaj Auto Limited, Pune, Maharashtra.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

(1)

The claim made by Hoechst Celanese Corporation under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 165983 in their name has been allowed.

(2)

The claim made by Hoechst Celanese Corporation under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 161800 in their name has been allowed.

PATENTS SEALED

164053 165327 165800 165970 166566 166611 166613 166616 166617 166618 166619 166620 166654 166657 166658 166660 166661 166662 166685 166686 166698

CAL—10
DEL— 8
MAS— 3
BOM— NIL

RENEWAL FEES PAID

146408 146730 146760 147429 148198 148408 149164 149502 149600 149625 149670 149778 150489 150795 150958 151130 151113 151169 151328 151362 151376 151380 151875 152113 152122 152156 152194 152281 152343 152594 152644 152728 152941 153410 153581 153850 153924 153927 154089 154101 154152 154491 154645 154811 154985 155391 155392 155473 155654 155669 155766 155849 155851 156305 156495 156661 156692 156890 156891 157022 157178 157220 157282 157573 157618 157875 157898 157921 157928 157929 157930 158004 158021 158028 158125 158141 158193 158240 158415 158508 158606 158608 158923 158982 158986 158999 159151 159671 159877 159942 159946 160712 161005 161173 161224 161241 161242 161250 161314 161315 161480 161584 161609 161630 161679 161714 161755 161854 161856 161857 161903 161904 161968 162006 162080 162102 162109 162198 162320 162375 162433 162480 162512 162565 162597 162822 162824 162840 162902 162945 163011 163015 163027 163036 163195 163227 163230 163245 163293 163476 163504 163513 163547 163593 163594 163611 163690 163695 163702 163876 163891 163892 164045 164236 164260 164298 164389 164647 194937 165312 165371 165372 165564 165622 165624 165627 165636 165692 165713 166042 166076 166080 166113 166114 166365

CESSATION OF PATENTS

162133

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 164507 granted to Wolgang Knogler and Ewaid Pickhard for an invention relating to "intravaginally positionable device for contraceptive use".

The patent ceased on the 24th April 1990 due to non payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd December 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 16th February 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 165081 granted to Voest Alpine Aktiengesellschaft for an invention relating to "apparatus for charging a shaft furnace for burning Carbonaceous mineral material".

The patent ceased on the 19th October 1990 due to non payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd December 1990.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 16th February 1991 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given beow in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompained by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2-/ रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 152-E. 168211
Int. Cl. . C 08 l 7/00, 19/00, 21/00.

PROCESS FOR MANUFACTURING ELASTIC MOULDING.

Applicant : DEGUSSA AKTIENGESELLSCHAFT, POSTFACH 1345, D-6450 HANAU 1, WEST GERMANY.

Inventors : (1) SIEGFRIED WOLFF, (2) PAUL GOLOMBECK.

Application No. 36/Cal/1984 filed on January 17, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

The process for manufacturing elastic moulding compound which consists of at least one known thermoplastic rubber, at least one silicate filler material in the quantity of 1—300 parts by weight, softening oil in the quantity of 0—300 parts by weight, and at least one stabilizing material selected from the group of arguing-fatigue -, oxydation, Ozon- and light protection material in usual quantity, wherein said silicate filler contains at least one organo silicon bond with at least one Alkoxysilicon group, in the quantity of 0.1—25 parts by weight, by which all the mentioned parts by weights are related to 100 parts by weights of the thermoplastic rubber which comprises mixing said thermoplastic rubber with said silicate filler material and softening oil at a temperature of 90 to 110°C for a period of 2 to 30 minutes at a high speed of 20 to 120 r.p.m. followed by mixing said stabilizing material at a starting temperature of 90 to 110°C for a period of 1 to 10 minutes.

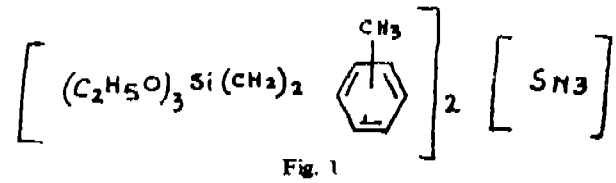


Fig. 1

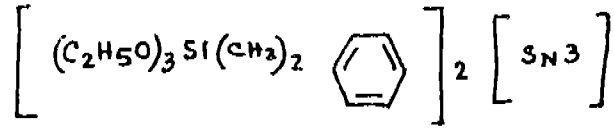


Fig. 2

Compl. Specn. 30 Pages. Drg. 1 Sheet.

CLASS : 72-B. 168212
Int. Cl. : C 06 b 31/02, 31/28.

IMPROVED WATER-IN-OIL EMULSION EXPLOSIVE COMPOSITIONS AND A PROCESS FOR THE PREPARATION THEREOF.

Applicant : ICI INDIA LIMITED,OF ICI HOUSE, 34 CHOWRINGHEE ROAD, CALCUTTA-700071, WEST BENGAL, INDIA.

Inventors : (1) ARUN KUMAR CHATTOPADHYAY, (2) SRINIVASACHARY SESHAN, (3) DHIRENDRA NATH BHATTACHARYYA, (4) HIREMAGALUR NARASIMHACHARYA SRIHARI, (5) SASANKA SEKHAR PAUL.

Application No. 917/Cal/1986, filed on 17th December, 1986.

Complete specification left on 16th March, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

20 Claims

An improved water-in-oil emulsion explosive composition of enhanced rigidity and stability, decreased tackiness in which the fuel-emulsifier forming bilayers of the microdroplets posses greater strength, elasticity and resistance to rupture which comprises on a percentage by weight basis from 40% to 90% of one or more inorganic oxidiser salts such as herein described in aqueous solution from 2% to 10% of at least one fuel comprising highly branched paraffinic hydro-carbons and/or their isomers having from 14 to 40 carbon atoms, from 0.5% to 5% of one or more emulsifiers such as herein described and the balance water.

Compl. Specn. 19 Pages. Drg. Nil.
Provl. Specn. 14 Pages. Drg. Nil.

CLASS : 68-E3; 70-B. 168213
Int. Cl. : H 01 r 39/60; H 01 h 51/34.

VACUUM INTERRUPTER.

Applicant : KABUSHIKI KAISHA MEIDENSHA, OF 1-17, OHSAKI 2-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventors : NOBUAKI TAMAKI, (2) SHINZO SAKUMA.

Application No. 274/Cal/1987, filed on 3rd April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A vacuum interrupter, comprising :

a vacuum envelope (20) including cylinder, (23) a metal end plate (24) hermetically sealed to one edge of the insulating cylinder and a bottomed metal cylinder (26) having its open end hermetically sealed to the other edge of the insulating cylinder (26);

a pair of disc shaped electrodes (21, 22) comprising a stationary electrode (21) and a movable electrode (22) disposed facing each other within the said metal cylinder (26);

a stationary lead rod (27) passing through and fixed to the metal end plate and fixed to the stationary electrode (21);

a movable lead rod (28) passing through the bottom of the metal cylinder (26a) and being movable axially the movable lead rod being fixed to the mavable electrode (22) and the movable lead rod being shorter than the stationary lead rod;

a metal bellows (24) surrounding part of the movable lead rod and hermetically and electrically connecting the movable lead rod and also to the bottom of the metal cylinder (26) and the metal bellow having an exterior exposed to the air and an interior exposed to a vacuum of the vacuum envelope and

a substantially cylindrical coil (30) located outside the metal cylinder (26) and surrounding the stationary and movable electrodes, the coil having one end electrically connected to the movable lead rod and having the other end electrically connected to an outer lead means, the coil producing an axial magnetic field in parallel to an arc current path formed between the stationary and movable electrodes when the movable electrode is separated from the stationary electrode.

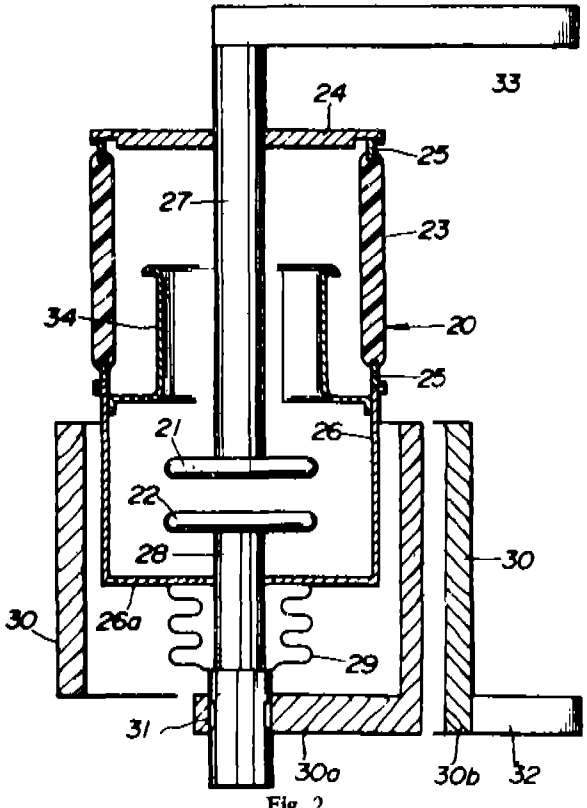


Fig. 2

Compl. Specn. 20 Pages. Drgs. 6 Sheets.

CLASS : 120-B1. 168214
Int. Cl. : F 16 n 7/36.

COMPRESSOR LUBRICATION SYSTEM.

Applicant : CARRIER CORPORATION, AT CARRIER PARKWAY, P.O. BOX 4800, SYRACUSE, NEW YORK 13221, U.S.A.

Inventors : (1) PAUL HENRY BALLENTINE, (2) MAX PAUL WASER.

Application No. 476/Cal/1987, filed on 18th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

An oil lubrication and noise suppression system for a refrigerant compressor comprising :

an oil sump;

a crankshaft rotatable about an axis and defining a centrifugal oil pump;

an oil pickup tube extending into said oil sump and secured to said crankshaft coaxial with said axis and rotatable with said crankshaft about said axis as a unit;

an impeller axially mounted on said pickup tube within said oil sump whereby upon rotation of said crankshaft, said impeller causes the production of foam in oil and the creation of a primary vortex in a horizontal plane and a secondary vortex in a vertical plane whereby said foam is forced towards said axis and the oil is forced towards the outside of said oil sump; and

a baffle means mounted at the bottom of said oil sump and defining a passage for the flow of oil whereby oil near the outside of said oil pump flows in said defined passage towards said axis to displace said foam.

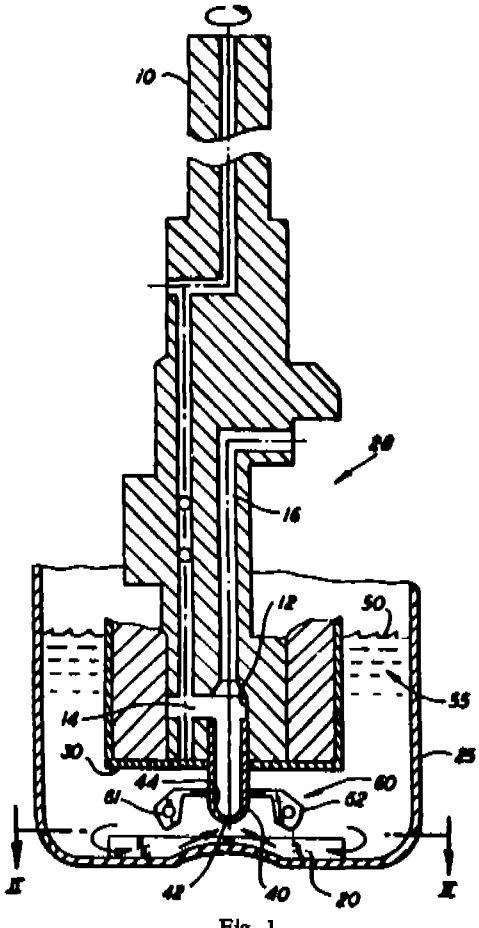


Fig. 1

Compl. Specn. 9 Pages. Drgs. 2 Sheets.

CLASS 134-B. 168215
Int.Cl. : B 60 p 1/00; 9/00.

ALL-WHEEL-DRIVE OFF-HIGHWAY VEHICLE.

Applicant & Inventor : PAUL LEGUEU, OF 85, AVENUE DE MAZY, 44380 PORNICHET, FRANCE.

Application No. 617/Cal/1987, filed on 7th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

An automobile vehicle comprising a driving cab and a load-bearing platform, a chassis which is non-articulated about any vertical axis and on which said cab and platform are mounted, said chassis comprising first and second longitudinal girders disposed side by side and being supported on front and rear axle sets comprising respectively front and rear drive axles having at least two driven wheels on opposite sides of the axle, and said front and rear axles of said front axle set being steerable and thus comprising constant velocity joints and steering linkage means, characterized in that, for each axle set, a transverse pivot axis is secured to said chassis, and suspension means connects said front and rear axles with the corresponding pivot axis respectively, each said front axle is substantially similar to the rear axle of the same set, and said axles of said front set are substantially similar to said axles of said rear set except the fact that they are steerable, and are spaced apart by a similar distance to the spacing of said axles of said rear set, each said transverse pivot axis being disposed substantially equi-distant between said front and rear axle of the corresponding set, whereby said axles may pivot about the corresponding pivot axis.

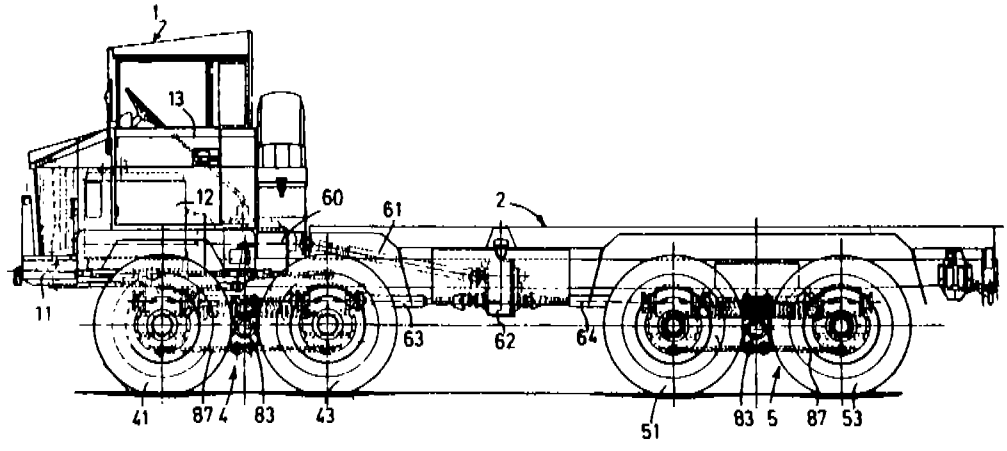


Fig. 1

Compl. Specn. 16 Pages. Drgs. 6 Sheets.

CLASS : 40-F. 168216
Int. Cl. : C 30 b 35/00.

APPARATUS FOR GROWING PROFILED SINGLE CRYSTALS OF HIGH MELTING TRANSPARENT METAL COMPOUNDS.

Applicant : VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY, PROEKTNO-KONSTRUKTORSKY I TEKHNOLOGICHESKY INSTITUT ELEKTROTERMICHESKOGO OBORUDOVANIA (VNIIETO), OF ULITSA NIZHEGORDSKAYA, 29, MOSCOW, U.S.S.R.

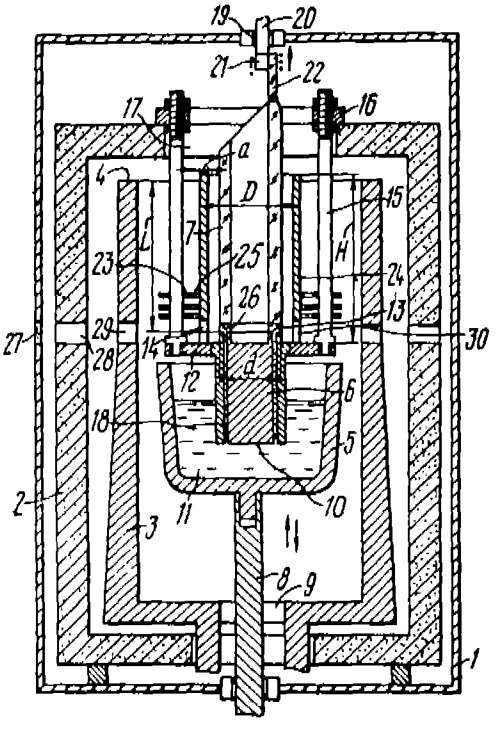
Inventors : (1) DMITRY YAKOVLEVICH KRAVETSKY, (2) LEV MARKOVICH ZATULOVSKY, (3) LEONID PETROVICH EGOROV, (4) BORIS BENTSIONOVICH PELTS, (5) LEONID SAMUILOVICH OKUN, (6) EFIM ALEXANDROVICH FREIMAN, (7) VIKTOR VASILIEVICH AVERYANOV, (8)ALEXANDR LVOVICH ALISHOEV.

Application No. 933/Cal/1987, filed on 27th November 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

An apparatus for growing profiled single crystals of highmelting transparent metal compounds comprising a sealed chamber, a heat insulating unit with a heater in the form of a sleeve disposed within said sealed chamber, a crucible mounted within said heater and having axial reciprocations, a form imparting member in the form of a cylinder also mounted in the heater and having a capillary space for supplying melt from the crucible to a zone of crystallization of a single crystal located above the upper end of the form imparting member; the upper end of the form imparting member; the upper end of the form imparting member having a cross-sectional shape of the single crystal, horizontally extending planar thermal shields disposed within said chamber having coaxial openings for the single crystal being grown to pass therethrough characterized in that a hollow cylindrical thermal shield is mounted in the openings of the planer thermal shields and arranged coaxially therewith.



Compl. Specn. 16 Pages. Drg. 1 Sheet.

CLASS : 32-A1. 168217
Int. Cl. : C 09 b 29/085; 41/00.

PROCESS FOR THE PREPARATION OF WATER-SOLUBLE COLOURED COMPOUNDS.

Applicant : HOECHEST AKTIENGESELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

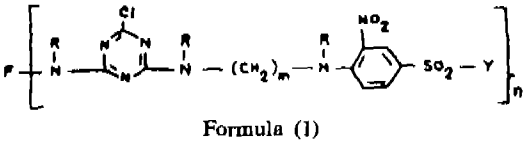
Inventors : (1) HARTMUT SPRINGER, (2) MANFRED KUHN, (3) HOLGER MICHAEL BUCH.

Application No. 945/Cal/1987, filed on 2nd December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

18 Claims

A process for the preparation of a compound which corresponds to the formula (1) in which



Formula (1)

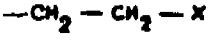
F denotes a radical of a dye, preferably of water-soluble sulfo group containing dye and preferably from the azo series :

m denotes the number 2 or 3;

n denotes the number 1 or 2;

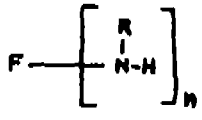
R denotes a hydrogen atom or an alkyl group having 1 to 4 carbon atoms; and

Y denotes the vinyl group or a group of the formula (2) in which

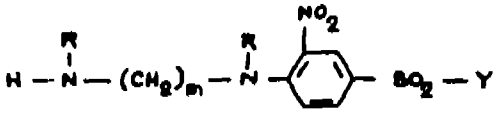


Formula (2)

X represents a substituent which can be eliminated as an anion, in particular by means of an alkali metal, characterised in that the process comprises reacting cyanuric chloride in any desired sequence with an amino compound of the general formula (17) in which F, R and n are defined as above, and an amino compound of the general formula (18) in which m, R and Y are defined as above, at a temperature between—10°C and +60°C and at a pH between 1 and 8.



Formula (17)



Formula (18)

Compl. Specn. 57 Pages. Drgs. 13 Sheets.

CLASS : 116-G. 168218
Int. Cl. : B 63 c 11/00.

DEVICE FOR COLLECTING OBJECTS FROM THE SEABED.

Applicant : RAUMA-REPOLA OY, PL 306, 33101 TAMPERE, FINLAND.

Inventors :(1) HENRIK ERAMETSA, (2) KARI KUVAJA, (3) KALEVI MAKI-KIHNIA, (4) JORMA TERAVA.

Application No. 994/Cal/1987, filed on 22nd December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

13 Claims

Device for collecting objects (2) pointing out of the bottom level of seas or corresponding water areas (1), comprising an intake opening with a conveying channel (12), a power source (4, 18, 20) to bring about water flow in the conveying channel and removing devices (7, 8, 21, 22) for removal of objects (2) from the bottom (1) is characterised by that the lower most part of the removing devices (7, 8, 21, 22) has been placed so that it is at the same level with the bottom (1) of the water area or above it.

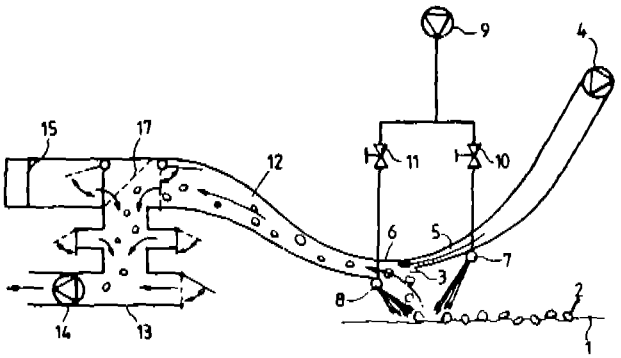


Fig. 1

Compl. Specn. 11 Pages. Drgs. 4 Sheets.

CLASS : 116-G. 168219
Int. Cl. : B 66 c 1/00, 1/22.

A HIGHER CAPACITY FORK-LIFT TRUCK.

Applicant : MACNEILL & MAGOR LIMITED, OF 34/1 DIAMOND HARBOUR ROAD, CALCUTTA-700027, WEST BENGAL, INDIA.

Inventors : (1) DIPAK KUMAR DAS, (2) BIJOY KUMAR NANDI, (3) PROTAP KUMAR GHOSE, (4) PINAKI PROSAD GHOSE.

Application No. 997/Cal/1987, filed on 23rd December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A higher capacity fork-lift truck wherein the mast is disposed in a manner such that the vertical axis of the mast lies at the rear side of the counter-balancing pivoting centre of the truck i.e. at the side opposite to the one having the fork, thereby increasing the load handling capacity of the truck and also reducing its front overload as well as front overhang.

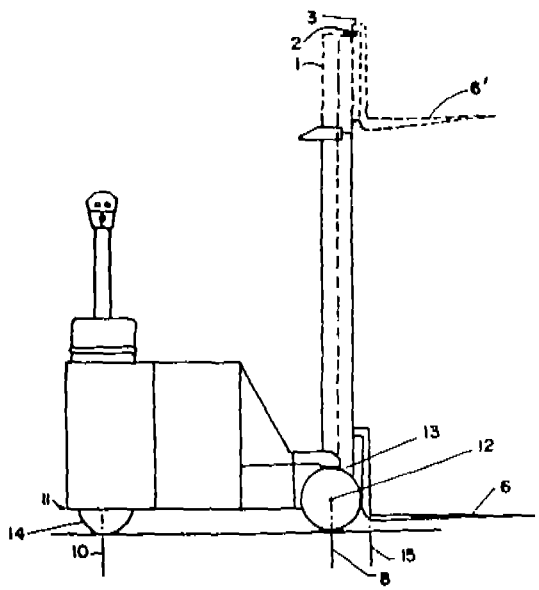


Fig. 1

Compl. Specn. 8 Pages. Drgs. 2 Sheets.

CLASS : 83-B4 168220
Int. Cl. : B 65 d 85/50.

CONTAINER FOR FRESH FISH PACKAGE.

Applicant : MITSUI TOATSU CHEMICALS, INCORPORATED OF 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) YOSHIYUKI KONISHI, (2) TOSHIRO RYUNO, (3) MITSUNOBU FUJITA, (4) KATSUSHIGE MATSUDA.

Application No. 409/Cal/1988, filed on 23rd May, 1988

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A container for fresh fish package which comprises a receiving body and a sealing lid, said receiving body being divided into a portion comprises a tray for receiving said fresh fish or slices thereof and a portion for receiving a deoxidant, these portions being constituted so that said fresh fish or slices and said deoxidant may not be perfectly separated from each other, said receiving body being made from a resin substantially having gas barrier properties, said sealing lid being also made from said resin substantially having gas barrier properties.

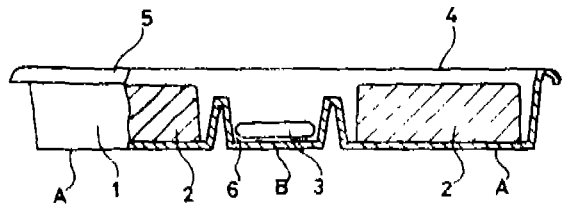


Fig. 2

Compl. Specn. 28 Pages. Drgs. 2 Sheets.

CLASS : 34-A. 168221
Int. Cl. : D 02 j 13/00.

APPARATUS FOR COOLING AND CONDITIONING MELT-SPUN FILAMENTS.

Applicant : EMS-INVENTA AG, SELNAUSTRASSE 16, 8001 ZURICH, SWITZERLAND.

Inventors : (1) WARNER STIBAL, (2) ALBERT BLUM.

Application No. 218/Cal/1987, filed on 18th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

Apparatus for cooling melt spun filaments comprising of a nozzle plate having a circular array of nozzles and an upright porous candle closed in upper end of the centre and adapted to conduct gaseous cooling medium radially symmetrically outwards against the array of downwardly directed filaments, which can issue from the nozzles, wherein the candle has means adapted in such a way to divert the flow of cooling media in the lower part of the candle, and a centrosymmetrical guide so adapted to divert the flow profile of the cooling medium, and where the material of the porous candle is characterised by a resistance to the cooling medium flow, expressed in terms of a pressure difference (Δ p, in pascal units) with respect to the outlet surface area, determined by

$$1.43 \times 10^{-6}\ m + 2222\ m^{-2} \leq \Delta P \leq -96.96\ m^{-1} + 20202\ m^{-2}$$

wherein m is the cooling medium flow rate across the surface area (in kg/h.cm^2).

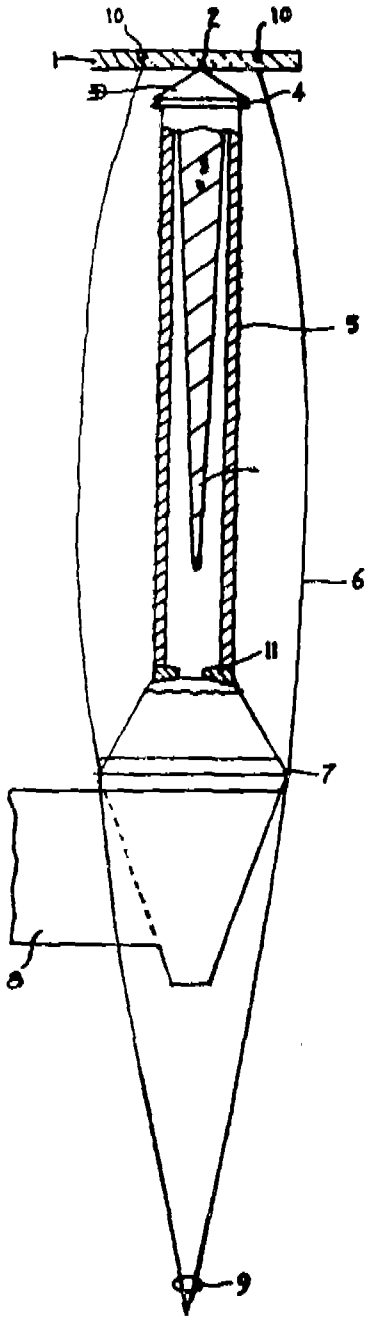


Fig. 1

Compl. Specn. 15 Pages. Drgs. 3 Sheets.

CLASS : 187-D4. 168222
Int. Cl. : H 02 g 1/00.

A PROCESS OF ELECTROCHEMICALLY COATING A METALLIC WIRE.

Applicant & Inventor : CLARENCE SEXTON FREEMAN AND KATHERINE MOUTON FREEMAN, BOTH OF 16242 KATHERIN LANE, CHANNELVIEW, TEXAS 77530, U. S. A.

Application No. 219/Cal/1987, filed on 18th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

The process of electrochemically coating a metallic wire made of a metal, having a positive ionic disposition, such as herein described, which comprises :

preparing a water solution, including in solution a water-swellable, water-insoluble polymer such as herein described with anionic groups and at least one non-involved cationic substance,

placing the length of the wire to be insulated coated in the solution, and

passing a small DC current through the solution so that the wire in solution becomes an anode, the substance with cations being left in solution and a hydrophobic insulation being chelated on the wire, there being an anionic-cationic linkage established between said polymer and the metal of the wire, to form a metal cation-to-polymer anion coating on the wire.

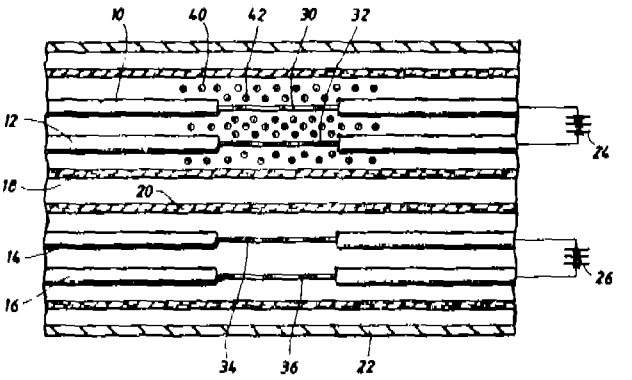


Fig. 1

Compl. Specn. 16 Pages. Drg. 1 Sheet.

CLASS : 39-N; 40-A2. 168223
Int. Cl. : C 01 f 7/02, 7/12.

PROCESS AND APPARATUS FOR THE DECOMPOSITION OF SODIUM ALUMINATE LIQUOR FOR THE PRODUCTION OF ALUMINA.

Applicant : ALUMINIUM PECHINEY, OF 23, RUE BALZAC, 75008, PARIS, FRANCE.

Inventors : (1) ERIC CHANTRIAUX, (2) HENRI GROBELNY.

Application No. 311/Cal/1987, filed on 21st April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A process for continuous decomposition of a liquor of sodium aluminate which is supersaturated in respect of alumina, resulting from the alkaline attack on bauxite using the BAYER process and forming a suspension in the presence of aluminum trihydroxide seeding agent, characterised by the following step :

(a) said suspension constituting the feed flow is introduced in the upper part of a non-agitated grading decomposer or reactor, in tranquilization zone where said feed flow with a concentration lower than 200 g/litre in the form of aluminium trihydroxide is brought into contact at a temperature of between 50 and 75°C with a fraction of a suspension with a high level of concentration of solid particles comprised between 300 g and 900 g/litre constituting the recycling flow which is taken off in the lower part of the grading decomposer in a zone referred to as the under flow zone,

(b) at the same time another fraction of suspension with a high level of concentration of solid particles of between 300 g and 900 g/litre which directly constitutes the production flow is drawn off in the underflow zone of the non-agitated grading decomposer,

(c) the suspension with a low level of concentration of solid matter constituting the overflow is extracted in the upper part of the grading decomposer, and

(d) for a previously established flow rate in respect of the feed flow, the flow rate of the recycling flow is regulated in such a way that :

the recycling flow rate is between 2 and 7 times the feed flow rate,

the rate of discharge flow of the suspension in the underflow zone is between 1 metre and 10 metres per hour, and

the speed of rise of the suspension in the overflow zone is between 0.5 and 5 metres per hour.

Compl. Specn. 27 Pages. Drgs. 3 Sheets.

CLASS : 105 C. 168224
Int. Cl. : G 11 b 11/00.

OPTICAL MEMORY.

Applicant : INSTITUT PROBLEM MODELIROVANIA V ENERGETIKE AKADEMII NAUK UKRAINSKOI SSR: OF KIEVE, PROSPEKT POBEDY 56, U.S.S.R.

Inventors : (1) VYACHESLAV VASILIEVICH PETROV, (2) ALEXANDR ALEXANDROVICH ANTONOV, (3) ANDREI ANDREEVICH KRJUCHIN, (4) ALEXANDR PETROVICH TOKAR, (5) SEMEN MIKHAILOVICH SHANOLLO, (6) VLADIMIR PETROVICH SKURIDIN, (7) LEONID MIKHAILOVICH GAPCHENKO, (8) VALERY DMIRTIEVICH KOVTUN, (9) MARAT LVOVICH DEMYANOV, (10) ALEXANDR ANTONOVICH ZELINSKY, (11) DMITRY ALEXANDROVICH GRINKO, (12) TATYANA PETROVNA ANANCHENKO, (13) GEÓRGY NIKOLAEVICH KOSTSEVICH.

Application No. 372/Cal/1987, filed on 7th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

An optical memory device for recording information as to modulated coherent radiation received from a radiation source, through an information addressing unit provided with optical elements capable of moving axially relative to a cylindrical information carrier, on the cylindrical information carrier having a recording coating applied to the external and internal of a tubular base and connected to a rotational drive for rotating the information carrier, and also surrounded with an outer envelope which is sealed on all sides, the recording medium and the envelope being interspaced by a liquid or gaseous medium which is transparent to coherent radiation, characterized in that the envelope is in the form of a cylindrical container such as herein described for the information carrier and is stationary relative to the rotating information carrier.

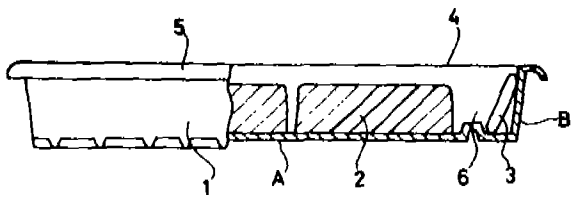


Fig. 1

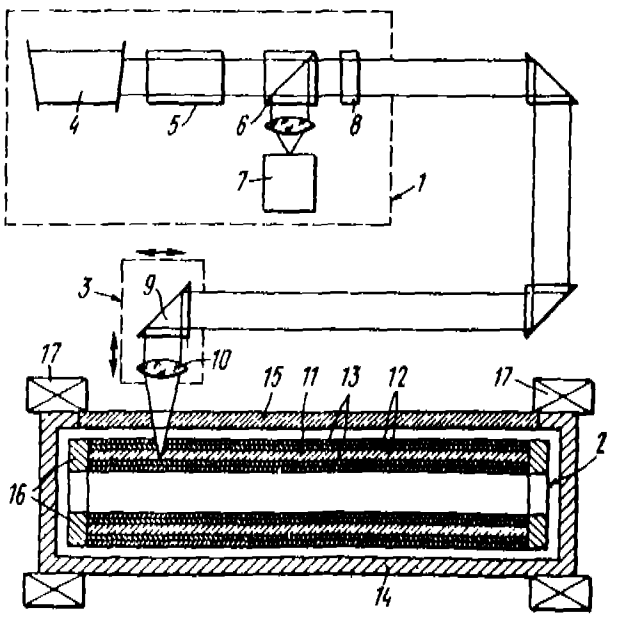


Fig. 1

Compl. Specn. 13 Pages. Drgs. 3 Sheets.

CLASS : 127-A, F. 168225
Int. Cl. : B 60 K 25/06.

POWER TAKE-OFF MECHANISM.

Applicant : KIA MOTORS CORPORATION, OF 514-5 SIHUNG-DONG, GURU-KU, SEOUL, SOUTH KOREA.

Inventor : KAP SOO LEE.

Application No. 475/Cal/1987, filed on 18th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A power take-off mechanism for the transmission of a vehicle, the mechanism comprising a sub-shaft having a driving gear fixed thereon; a power take-off shaft having a power take-off gear fixed thereon; an idle shaft positioned between the sub-shaft and the power take-off shaft; an ideal gear slidably mounted on the idle shaft, and a hand lever for shifting the idle gear along the idle shaft characterised in including a tachometer kit connected to an end of the power take-off shaft, for measuring the rotational frequency of the power take-off shaft; a tachometer in the dashboard for indicating the measured rotational frequency; and a cable connecting the tachometer kit with the tachometer and transferring the rotational frequency to the tachometer, the idle gear being constantly in mesh with the power take-off gear and selectively slidable into out of mesh with the driving gear.

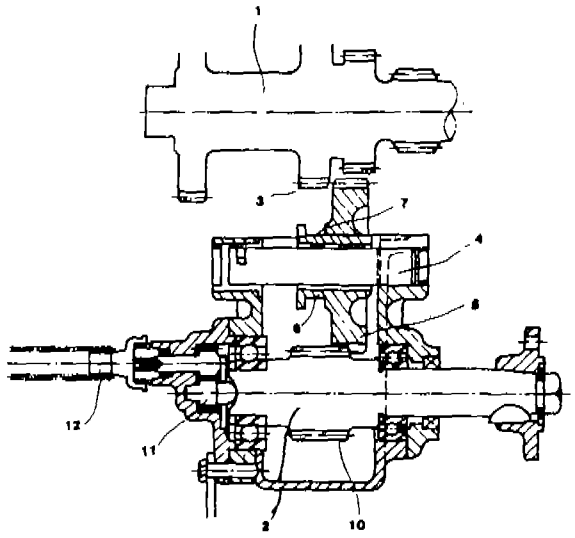


Fig. 3

Compl. Specn. 8 Pages. Drgs. 3 Sheet.

CLASS : 9-E, F and 33-F. 168226
Int. Cl. : B 22 c 9/00; C 22 c 1/00, 9/00.

PROCESS FOR THE MANUFACTURE OF COPPER ALLOY FOR USE AS MATERIAL FOR THE MANUFACTURE OF CONTINUOUS CASTING INGOT MOULDS.

Applicant : KABEL-UND METALLWERKE GUTEHOFFNUNGSHUTTE AKTIENGESELLSCHAFT, OF P.O. BOX 3320, KLOSTERSTRASSE 29, D-4500 OSNABRUCK, F.R. GERMANY.

Inventor : HORST GRAVEMANN.

Application No. 534/Cal/1987, filed on 13th July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

Process for the manufacture of a copper alloy for use as material for the manufacture of continuous casting ingot moulds, comprising mixing and melting 0.05 to 0.4% Zinc, 0.02 to 0.3% magnesium, 0.02 to 0.2% phosphorous, rest being copper and, optionally, adding upto 0.2%, preferably upto 0.1% silicon and/or upto 0.15% zirconium, and the melt, so formed, after casting, being shaped, while hot, annealed for 1 to 6 hours at a temperature of about 300° to 550°C and after that, cold-shaped by at least 10%.

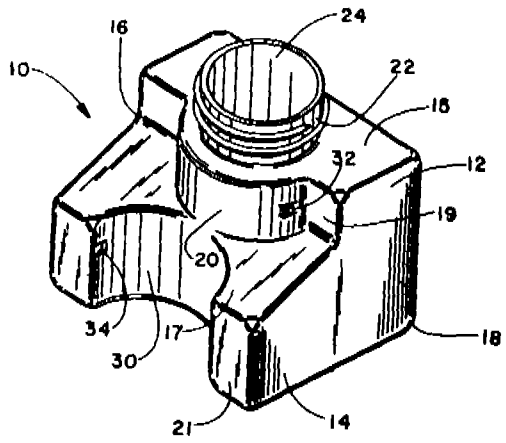


Fig. 1

Compl. Specn. 10 Pages. Drg. Nil.

CLASS : 39-L; 193. 168227
Int. Cl. : C 04 b 33/00, 35/00.

METHOD FOR PRODUCING SUBSTANTIALLY PURE ALUMINA MATERIAL.

Applicant : LANXIDE TECHNOLOGY COMPANY, LP, TRALEE INDUSTRIAL PARK, NEWARK, DELWARE 19711, U.S.A.

Inventor : MARC STEVENS NEWKIRK.

Application No. 703/Cal/1987, filed on 4th September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

13 Claims

A method for producing an alumina material consisting essentially of the oxidation reaction product of an aluminium parent metal and an oxygen-containing vapor-phase oxidant, which alumina material is characterized by a purity of not less than 99.9 weight % alumina, said method comprising the steps of :

(A) heating said aluminum parent metal to a temperature above the melting point of said aluminum parent metal but below the melting point of said oxidation reaction product to form a body of molten aluminum parent metal, and at said temperature reacting said body of

molten aluminum parent metal with said oxygen-containing vapor-phase oxidant to form alumina as said oxidation reaction product; maintaining at least a portion of said oxidation reaction product in contact with and between said body of molten aluminum parent metal and said oxygen-containing vapor-phase oxidant to draw molten aluminum parent metal through the oxidation reaction product toward said oxygen-containing vapor-phase oxidant so that oxidation reaction product continues to form at the interface between the oxygen-containing vapor-phase oxidant and previously formed oxidation reaction product, and continuing said reaction for a time sufficient to produce a ceramic body comprising alumina and metallic constituents,

Optionally, prior to the heating step said aluminum parent metal positioned adjacent to a permeable mass of oxide filler selected from the group consisting of an aluminothermic reduction filler, alumina constituting at least a part of said filler, and mixtures thereof, and said parent metal and said oxide filler is orientated relative to each other so that formation of said oxidation reaction product will occur in a direction towards and into said mass of said oxide filler,

(B) comminuting said ceramic body, and

(C) providing one or more leachants and contacting said comminuted material with said leachants for a time sufficient to remove or dissolve away non-alumina materials from said alumina, and

(D) recovering said substantially pure alumina material.

Compl. Specn. 22 Pages. Drg. Nil.

CLASS : 22. 168228
Int. Cl. : B 65 d 1/14.

BOTTLE CONTAINERS METEABLE WITH EACH OTHER.

Applicant : UNIVERSAL SYMETRICS CORPORATION, OF 292 FORT PLAINS CENTRE, HOWELL, NEW JERSEY 07731, U.S.A.

Inventor : JURIS MINTAUTS MEDNIS.

Application No. 751/Cal/1987, filed on 22nd September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A bottle container comprising a hollow, L-shaped body (10) having a vertically extended portion (12) and a horizontally extended portion (12A) connected to each other to form an inner corner edge (16) and an outer corner edge (18), generally L-shaped side walls (14), a rear wall and bottom wall connected to the rear wall along the outer corner edge (18), a lower top shoulder (17) a top the horizontally extended portion (12A) and an upper top shoulder (15) a top the vertically extended portion (12), a vertically extended inner front wall (19) connected between the upper top shoulder (15) and lower top shoulder (17) and connected along the inner corner edge (16) to the lower top shoulder (17), an outer front wall (21) connected between the lower top shoulder (17) and bottom wall (11) and between the side walls, and a hollow neck portion made in one piece with said L-shaped body, said neck portion comprising a convex neck rib (20) projecting from the inner front wall (19) and extending from the lower top shoulder (17) to the upper top shoulder, said neck portion having a discharge opening (24), the outer front wall (21) having a concave recess (30), said recess (30) extending from the lower top shoulder (17) toward the bottom wall (11) and having a length and cross-sectional shape selected so as to receive the neck protion of another bottle container of similar construction, as defined above, whereby one said bottle container is capable of being mated and interengaged with another said bottle container.

Compl. Specn. 12 Pages. Drgs. 4 Sheets.

CLASS : 34E. 168229
Int. Cl. : B 32 b 18/00.

METHOD OF MAKING SHAPED CERAMIC COMPOSITES.

Applicant : LANXIDE TECHNOLOGY COMPANY, LTD., PRALEE INDUSTRIAL PART NEWARK, DELAWARE 19711, U.S.A.

Inventors : (1) CHRISTOPHER ROBIN KENNEDY, (2) MARC STEVENS NEWKIRK.

Application No. 979/Cal/1987, filed on 16th December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

23 Claims

A method for producing a self-supporting ceramic composite comprising a mass of filler material infiltrated by a ceramic matrix obtained by the oxidation of a parent metal to form a polycrystalline matrix consisting essentially of (i) the oxidation reaction product of the parent metal with one or more oxidants including a vapor-phase oxidant and, optionally, (ii) one or more metallic constituents, said method comprising :

(A) heating a parent metal to a temperature above its melting point but below the melting point of the oxidation reaction product to form a body of molten metal, said parent metal optionally including at least one dopant source alloyed with the parent metal and at least one dopant source applied to the surface of said parent metal;

(B) establishing said body of molten metal in a real contact with a permeable mass of filler material having at least one surface bearing a stratum (a) being substantially conformed to the geometry of said surface, (b) being permeable to said vapor-phase oxidant, and (c) being permeable to infiltration by growth of the oxidation reaction product, said stratum at least partially spaced from said contacting area such that formation of said oxidation reaction product will occur into said mass of filler material and in a direction towards and at least partially into said stratum; and at said temperature;

(i) reacting said molten metal with said oxidant form an oxidation reaction product,

(ii) maintaining at least a portion of said oxidation reaction product in contact with and between said molten metal and said oxidant, to progressively transport molten metal through the oxidation reaction product toward the oxidant so that oxidation reaction product continues to form at the interface between said oxidant and previously formed oxidation reaction product that has infiltrated said mass of filler material to product a ceramic composite body, and

(iii) continuing said reacting to infiltrate at least a portion of said stratum with said oxidation reaction product to produce a ceramic stratum overlaying said ceramic composite body, said ceramic stratum to produce a self-supporting ceramic composite having said surface established by said stratum.

(C) removing from at least part of said surface said ceramic stratum to produce a self-supporting ceramic composite body having said surface established by said stratum.

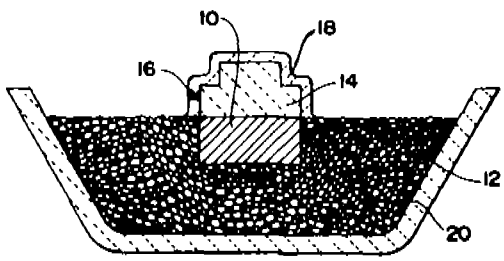


Fig. 1

Compl. Specn. 31 Pages. Drg. 1 Sheet.

CLASS : 65-B₃. 168230
Int. Cl. : H 01 f 40/04.

FLYBACK TRANSFORMER.

Applicant : GOLDSTAR CO. LTD., OF LUCKY-GOLDSTAR TWIN TOWERS, 20 YOIDO-DONG, YONGDUNGPO-GU, SEOUL 150, SOUTH KOREA.

Inventor : YOUNG ROK LEE.

Application No. 1001/Cal/1987, filed on 28th December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

A flyback transformer for generating an anode voltage of a CRT including a low voltage bobbin (12) around which a tertiary coil (13) and a primary coil (14) are subsequently wound, and a high voltage bobbin (15) around which a secondary coil (16) is wound, characterised in that a primary bobbin (20) is disposed between said low voltage bobbin (12) and said high voltage bobbin (15), and said tertiary coil (13) and said primary coil (14) are wound around said low voltage bobbin (12) and said primary bobbin (20), respectively.

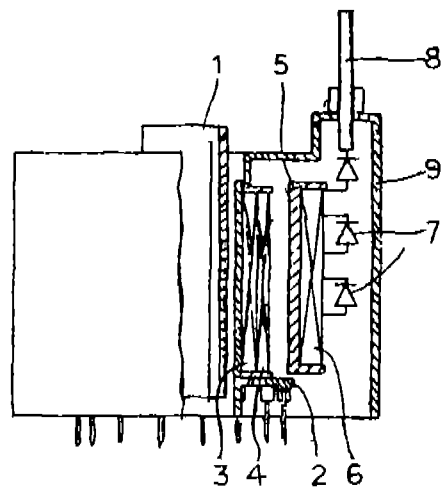


Fig. 1

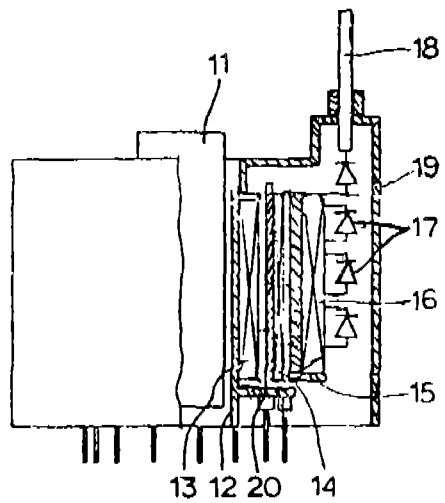


Fig. 5

Compl. Specn. 9 Pages. Drgs. 2 Sheets.

CLASS : 14-A₂. 168231
Int. Cl. : H 01 m 2/00.

A DEVICE FOR FORMING PROJECTIONS SEPARATOR PLATES FOR LEAD-ACID AND OTHER STORAGE BATTERIES.

Applicant & Inventor : SACHINDRA PROSAD SAHA, M/S. BHARAT BATTERY MFG. CO. PVT. LTD., 238-A, A. J. BOSE ROAD, CALCUTTA-700 020, WEST BENGAL, INDIA.

Application No. 77/Cal/88, filed on 29th January, 1988.

Complete Specification left on 17th April, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

A device for forming projections on battery separators comprising an embossing roller preferably a stainless steel roller having a number of spaced projections formed on it and a backing roller made of rubber or a plastics material wherein said embossing roller is built up of a plurality of discs clamped together and on the peripheries of which projections are formed which when the discs are assembled provide continuous or discontinuous liner projections around the roller.

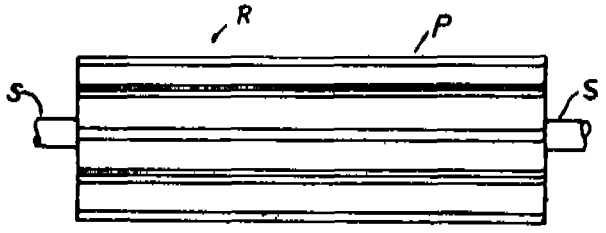


Fig. 1

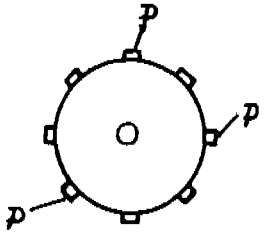


Fig. 2

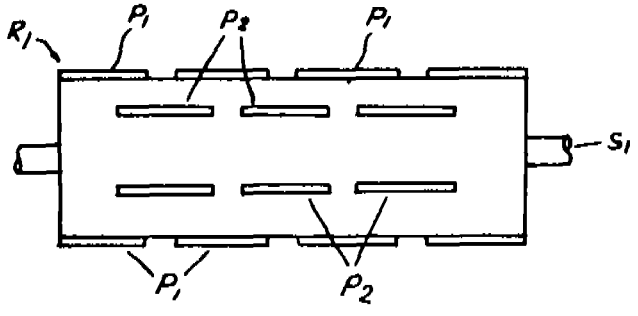


Fig. 3

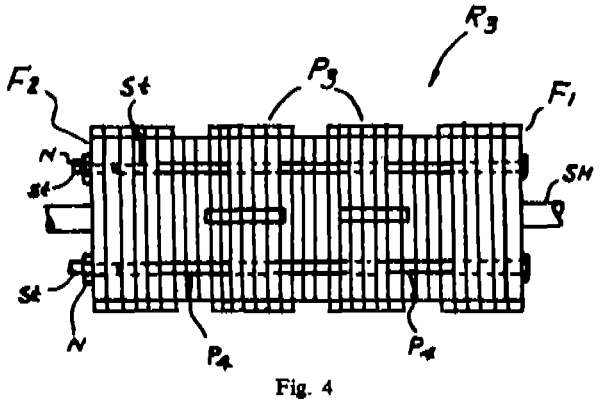


Fig. 4

Compl. Specn. 8 Pages. Drg. 1 Sheet.
Provl. Specn. 3 Pages. Drg. Nil.

CLASS : 53-C; E. 168232
Int. Cl. : B 62 k 17/00.

BICYCLE FITTED WITH FLYWHEELS.

Applicant & Inventor : UPENDRA KUMAR DAS, OF 223 B/15 DUM DUM ROAD, CALCUTTA-700074, WEST BENGAL, INDIA.

Application No. 80/Cal/1988, filed on 29th January, 1988.

Complete Specification left on 16th June, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A bicycle including two flywheels mounted, spaced from each other on a shaft rotatably supported in a bracket fixed to the frame of the vehicle, a hub engageable with the tyre of the rear wheel of the bicycle and means for transmitting rotary motion of the hub to said shaft on which the flywheels are mounted and means for disengaging the hub from the tyre of the rear wheel while the rear brakes are applied.

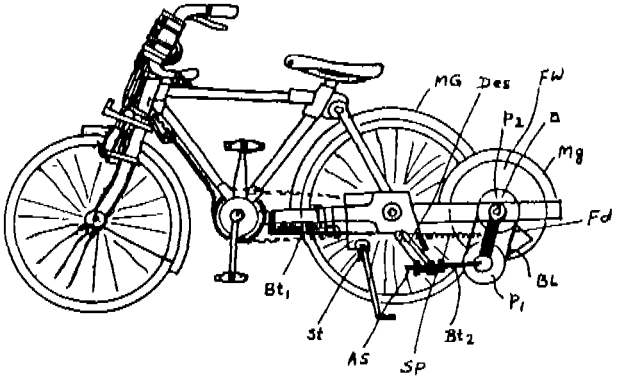


Fig. 1

Compl. Specn. 8 Pages. Drg. 1 Sheet.
Provl. Specn. 1 Page. Drg. 1 Sheet.

CLASS : 39-A; K. 168233
Int. Cl. : C 01 b 31/20; C 01 c 1/00.

PROCESS FOR THE HYDROLYSIS OF UREA IN DILUTE AQUEOUS UREA SOLUTION.

Applicant : TOYO ENGINEERING CORPORATION, OF 2-5, KASUMIGASEKI 3-CHOE, CHIYODA-KU, TOKYO, JAPAN.

Inventor : HIDETSUGU FUJII.

Application No. 164/Cal/1988 filed on February 24, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

Process for hydrolysis of urea comprising subjecting an aqueous solution containing very small quantities of urea, ammonia and carbon dioxide, to a two stage thermal treatment, in the first stage of urea hydrolysis bringing the aqueous solution into direct and co-current contact with steam under a pressure in the range of 10—30 Kg/Cm² G, to hydrolise the urea to such an extent so that the urea remaining in the aqueous solution is 50—500 ppm (by weight) and separate the ammonia and carbon-dioxide formed by the hydrolysis as a gaseous mixture, and in the second stage of urea hydrolysis, bringing the resulting aqueous solution still containing the remaining urea into direct and counter current contact with steam under the same pressure as in the first stage to hydrolise the urea further and separate the ammonia and carbon-dioxide so formed as a gaseous mixture, thereby converting the aqueous solution to water substantially free of urea.

Compl. Specn. 15 Pages. Drgs. 2 Sheets.

CLASS : 123. 168234
Int. Cl. : C 05 g 3/10.

NITRIFICATION-INHIBITING AGENT.

Applicant : SKW TROSTBERG AKTIENGESELLSCHAFT, OF DR. ALBERT-FRANK-STRASSE 32, D-8233 TROSTBERG, WEST GERMANY.

Inventors : (1) SVATOPLUK SOLANSKY, (2) WERNER GOLL, (3) RICHARD YOUGMAN.

Application No. 276/Cal/88, filed on 4th April, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

1 Claim

Nitrification-inhibiting agent for inhibiting nitrification of ammonium-nitrogen characterized in that it comprises :

(a) dicyandiamide present in an amount of 20—80 per cent by weight, and

(b) guanylthiourea present in an amount of from 80—20 per cent by weight, and optionally

(c) nitrogen containing fertilizer present in an amount of from 0.1—30% by weight.

Compl. Specn. 14 Pages. Drg. Nil.

CLASS : 55-A 168235
Int. Cl. : C 06 3/00.

PYROTECHNICAL COMPOSITION USEFUL FOR THE PRODUCTION OF A CAMOUFLAGING OR MASKING SMOKE AND PROCESS OF PREPARING THE SAME.

Applicant : NICO PYROTECHNIC HANNS-JURGEN DIEDERICHS GMBH & CO. KG, OF BEI DER FEUERWERKEREI 4, 2077 TRITTAU BEZ, HAMBURG, WEST GERMANY.

Inventor : DRUWE KRONE.

Application No. 405/Cal/88, filed on 23rd May, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

Pyrotechnical composition useful for the production of a camouflaging or masking smoke consisting of a metallic powder as reducing agent, at least an oxidising agent, at least a fire loss or scaling loss (of material) controlling agent, and at least a smoke or cloud-producing agent, characterised in that a light metal powder, preferably powdered, magnesium (Mg) as metallic reducing agent, potassium nitrate (KNO_3) or a mixture of potassium nitrate (KNO_3) and potassium perchlorate ($KClO_4$) as the oxidising agent, at least a carbonate such as calcium carbonate ($CaCO_3$), potassium hydrogen carbonate ($KHCO_3$), sodium—hydrogen—carbonate ($NAHCO_3$), potassium carbonate (K_2CO_3), sodium carbonate (Na_2CO_3) and nitrogen-splitting substances such as herein described as fire loss or scaling loss (of material) controlling agents as well as at least a smoke-forming, non-toxic additive substance, such as herein described are present in the composition in the following proportions in percentage by weight.

Mg	10—25%
KNO_3	20—36%
$KClO_4$	0—15%
$CaCO_3$	0—20%
$KHCO_3$ and/or $NaHCO_3$ and/or K_2CO_3 or Na_2CO_3	0—10%
KCl and/or NaCl	20—50%
Azodicarbonamide, Onamide or dicyandiamide	5—20%

Compl. Specn. 13 Pages. Drg. 1 Sheet.

CLASS : 53—A; E; 127—B, I; 157—A_2 168236
Int. Cl : E 01 b 7/00; E 01 b 25/06.

FROG.

Applicant : VOEST-ALPINE MASCHINENBAU GESELLSCHAFT M.B.H., OF A-4020 LINZ, LUNZERSTRASSE 64, AUSTRIA.

Inventors : (1) ROBERT PIRKER, (2) FRANZ ROTTER, (3) JOHANNES BLUMAUER.

Application No. 550/Cal/1988, filed on July 04, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

Frog with a frog point 1 and wing rails 4, 5 which are connected by welding to frog point, whereby the wing rails (4, 5) by the use of filling plates (6) are welded to the frog point (1), characterized in that the filling plates (6) in the layer of the weld have a lesser height than the stem of the wing rails (4, 5).

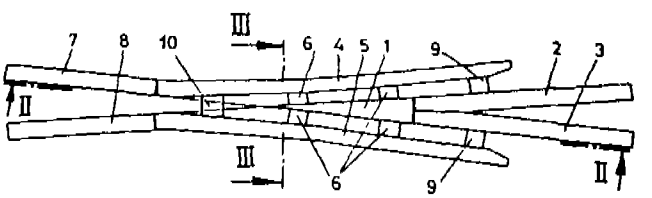


Fig. 1

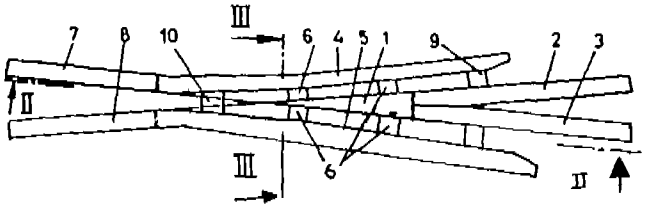


Fig. 1

Compl. Specn. 8 Pages. Drg. 1 Sheet.

CLASS : 206 E 168237
Int. Cl : H 05 k 1/18.

METHOD OF MANUFACTURE OF A BOX-LIKE ELECTRONIC PRINTED CIRCUIT BOARD MODULE.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : (1) GUNTHER DEINHARDT, (2) OTTO MEUSEL, (3) HEINZ-DIETER MUNCH, (4) SIEGFRIED SEIDEL.

Application No. 737/Cal/1988, filed on September 02, 1988.

[Div. Out of No. 353/Cal/1985, Ante-dated 7th May, 1985.]

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

Method of manufacture of a box-like electronic printed circuit board module containing a printed circuit board to which a multipoint connector is electrically and mechanically connected and is cooperable with connectors provided in a terminal unit pivotably mounted at a front side of the box-like module so as to be pivotable in and out of electrical connection with said multipoint connector, wherein

(a) the pivotable terminal unit comprising electrical terminals to which conductors can be secured to provide connection between the conductors and the printed circuit board via said connectors and said multipoint connector when the terminal unit is pivoted into electrical connection with said multipoint connector;

(b) a longitudinal channel which is adjacent said terminals is disposed at the front and being accessible from the front, the channel being to accommodate said conductors and providing direct access for said conductors to the terminals; and

(c) luminescent diodes provided on one side of the longitudinal channel, said luminescent doides being arranged in a holder which is linked electrically and mechanically with the printed circuit board, characterised in that

the step of linking the holder with the printed circuit board in the module, wherein luminescent diode connection leads guided in grooves of the holder are introduced into on the component side of the printed circuit board into its electrical linkages together with breakable holding pegs, and after the printed circuit board has been soldered in a bath the holder is swung by 90° into its final position, causing the holding pegs to break and the holder to lockingly engage by means of locking hooks with the face of the printed circuit board.

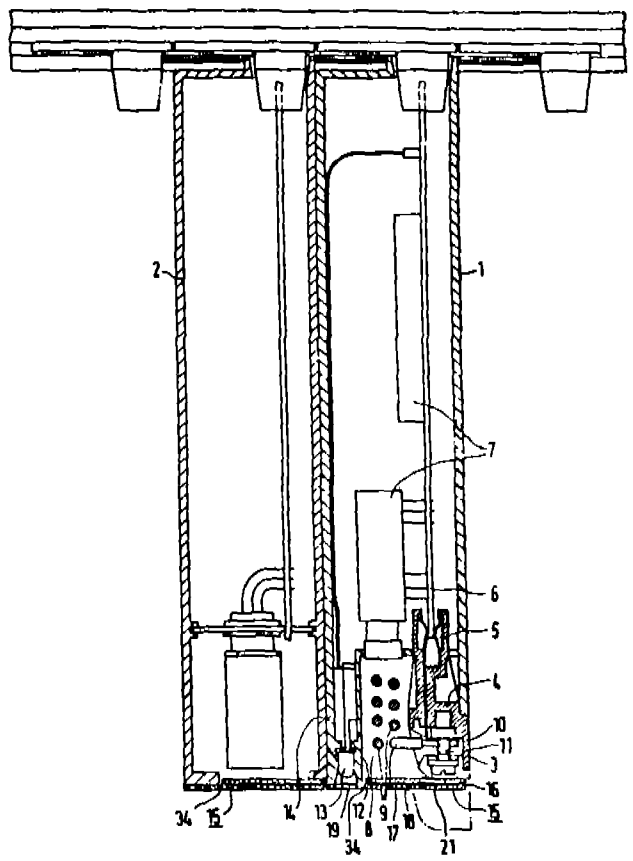


Fig. 1

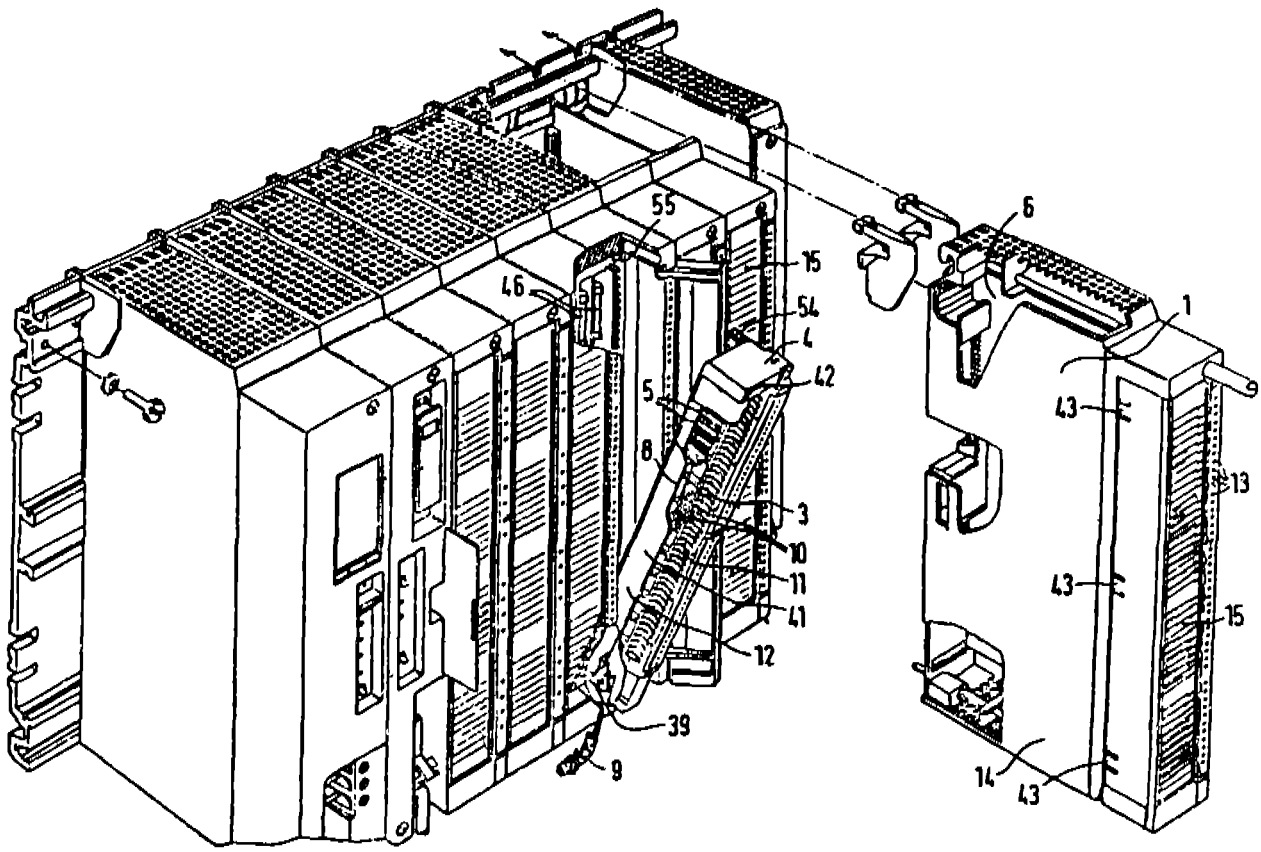


Fig. 6

Compl. Specn. 13 Pages. Drgs. 6 Sheets.

CLASS : 98—G 168238
Int. Cl. : F 28 f 1/00.

METHOD FOR MAKING A TUBULAR MEMBER HAVING TRANSVERSE RIBS FOR USE IN A HEAT EXCHANGER.

Applicant : BELORUSSKY POLITEKHNICHESKY INSTITUT USSR, MINSK, LENINSKY PROSPEKT, 65, USSR.

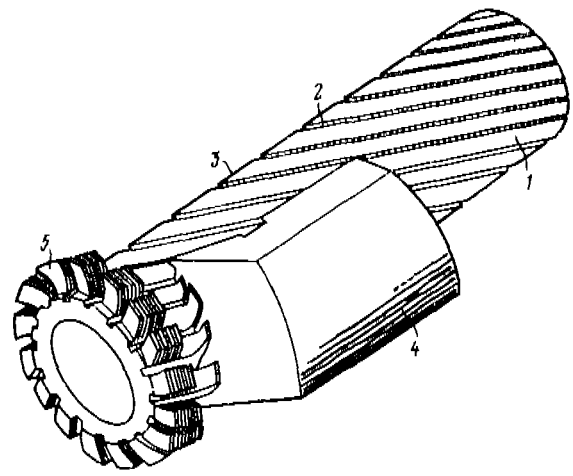
Inventors : (1) IGOR IVANOVICH DYAKOV-USSR, (2) SERGEI VLADIMIROVICH KONEV-USSR, (3) VLADIMIR BORISOVICH MEDVEDEV-USSR, (4) ALEXANDR MAXIMOVICH YAKIMOVICH-USSR.

Application No. 804/Cal/1988 filed on September 27, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

1 Claim

A method for making a tubular member having transverse ribs for use in a heat exchanger, comprising cutting helical grooves in a tubular workpiece so as to form projections, imparting rotation to the tubular workpiece, and undercutting in the surface thereof a metal layer by means of a cutting tool, concurrently with bending of the metal layer so as to form ribs on the tubular workpiece, the cutting edge of the cutting tool being inclined in a direction opposite to the direction of the helical line of the grooves.



Compl. Specn. 7 Pages. Drg. 1 Sheet.

CLASS : 185—C 168239
Int. Cl. : A 23 f 3/00.

APPARATUS FOR DRYING TEA LEAVES.

Applicant : TRADE & INDUSTRY PRIVATE LIMITED, AT 19 R.N. MUKHERJEE ROAD, CALCUTTA-700001, WEST BENGAL, INDIA.

Inventors : OM PRAKASH BAGARIA, (2) CHIT MENG KHONG.

Application No. 909/Cal/1988 filed on October 31, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

An apparatus for drying tea leaves comprising an enclosed chamber having one or more movable leaf-carrying perforated surface(s) made of a plurality of slotted/perforated trays, each of the said trays being laterally pivoted at one edge to a pair of each parallely spaced endless chains, and the said trays overlapping each other to define to or each said movable leaf-carrying surface, and a fixed perforated surface disposed below the said movable surface(s), and means for feeding hot air under controlled pressure and in desired direction from below the said fixed surface and then through the movable surface(s), the trays of the movable surface disposed above the fixed surface being adapted to travel vertically, on the return pass thereof and thus to act as moving sweepers, along the said fixed surface, the arrangement being such that wet tea leaves fed through an inlet provided in the enclosed chamber, to the or the uppermost of the, movable surface(s), are caused to be carried by the movable surface(s) and predried by the hot air, and then dropped onto the said fixed surface, whereby a movable fluidised bed of predried tea leaves is caused to be formed on the said fixed surface, and the tea leaves, duly dried on the fluidised bed, are caused to be discharged from the said fixed surface through an outlet provided in the enclosed chamber.

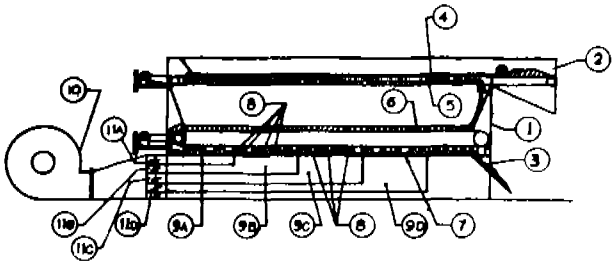


Fig. 1

Compl. Specn. 16 Pages. Drg. 1 Sheet.

CLASS : 32-F1; 55-D2 168240
Int. Cl. : A 01 n 53/00.

A PROCESS FOR THE PREPARATION OF PYRETHROID BENZYL ESTER COMPOUNDS.

Applicant : LUCKY LTD., OF 20, YOIDO-DONG, YONGDUNGPO-GU, SEOUL 150, REPUBLIC OF KOREA.

Inventors : (1) SANG HUN JUNG, (2) SEUNG KYUM KIM.

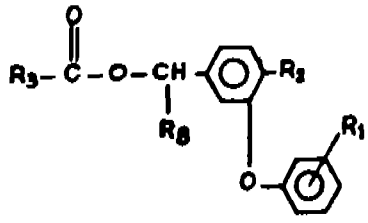
Application No. 984/Cal/1988 filed on November 29, 1988.

[Divisional of Application No. 97/Cal/1988, Ante-dated to 4th February, 1988].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

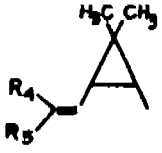
5 Claims

A process for the preparation of a pyrethroid benzyl ester compound of the general formula (1) of the accompanying drawings :

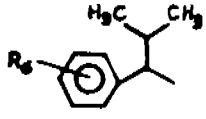


Formula(I)

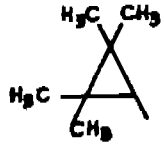
Wherein R_1 and R_2 are the same or different from each other and represent a hydrogen or a halogen atom; R_3 represents a group of formula a, b, or c (wherein R_4 and R_5 represent a chlorine or bromine atom or a methyl group when R_4 is identical to R_5, but R_4 represents a chlorine or bromine atom or a methyl group and R_5 represents a trifluoromethyl group when R_4 is different from R_5, and R_6 represents a halogen atom or difluoromethoxy group); and R_8 represents a hydrogen, which comprises reacting an organic acid of the general formula (II) wherein R_3 has the same meaning as before, with an alcohol of the general formula (III) wherein R_1 and R_2 have the same meaning as before and water-soluble inorganic base with a sulphonyl compound of the general formula (IV) wherein R_7 represents an aryl, alkyl or an optionally-substituted aryl and X is a halogen, axide, cyanide, imidazole, triazole, nitrotriazole or tetrazole, in the presence of two-phase solvent system consisting of water and a substantially water-immiscible aprotic solvent and a phase transfer catalyst, as hereinbefore described.



Formula (II)



Formula (III)



Formula (III)

Compl. Specn. 16 Pages. Drgs. 4 Sheets.

CLASS. : 27-I 168241
Int. Cl. : B 65 d 5/00.

PANEL INTERLOCKING ARRANGEMENT.

Applicant : THE MEAD CORPORATION, COURTHOUSE PLAZA NORTHEAST, DAYTON, OHIO 45463, U.S.A.

Inventor : PHILIPPE MARIE.

Application No. 985/Cal/1987 filed on December 17, 1987.

(Convention date 14 January, 1987; No. 8700777; U.K)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

A panel interlocking means for securing together a pair of panels in overlapping relationship comprising a locking tab of generally U-shaped configuration struck from one of said panels and an elongated locking aperture provided in the other of said panels and

arranged to receive and retain said locking tab, said locking tab being hinged to said one panel at a base and having opposed lateral edges, said locking aperture comprising spaced lateral edges which are generally aligned with the lateral edges of said locking tab when the locking tab is engaged within the locking aperture, characterised in that each lateral edge of the locking tab is formed with a plurality of deformable marginal portions which selectively are deformed by engagement with the lateral edges of the locking aperture at a location dependent upon the extent to which said locking tab is driven into said locking aperture whereby said locking tab may be locked in the locking aperture in a plurality of selected positions.

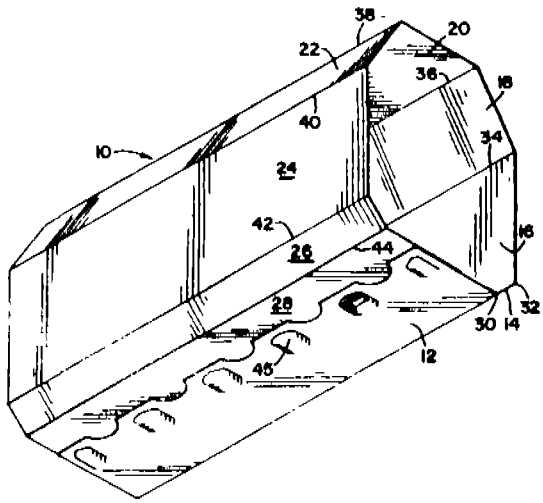


Fig. 1

Compl. Specn. 15 Pages. Drgs. 2 Sheets.

CLASS : 90-I, J, H. 168242
Int. Cl. : B 29 c 45/00.

A PLASTIC PREFORM FOR FORMING BLOW MOLDED PLASTIC CONTAINERS.

Applicant : PLASTICON PATENTS, S.A., OF 8C, AVENUE CHAMPEL, 1211, GENEVA 12, SWITZERLAND.

Inventor : HERBERT STRASSHEIMER.

Application No. 49/Cal/1988 filed on January 21, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A plastic preform for forming blow molded plastic containers which comprises : a neck portion defining an opening; a tubular body portion depending therefrom; and an integral bottom structure depending from said tubular body portion; said preform having an outside wall face and an inside wall face, with at least one of the inside wall face of the outside wall face of the tubular body portion adjacent the bottom structure and extending onto said bottom structure having a plurality of flat faces.

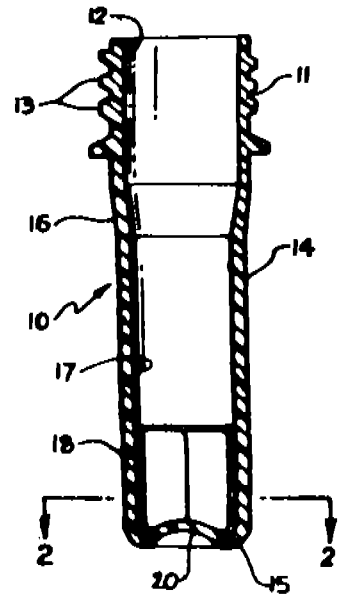


Fig. 1

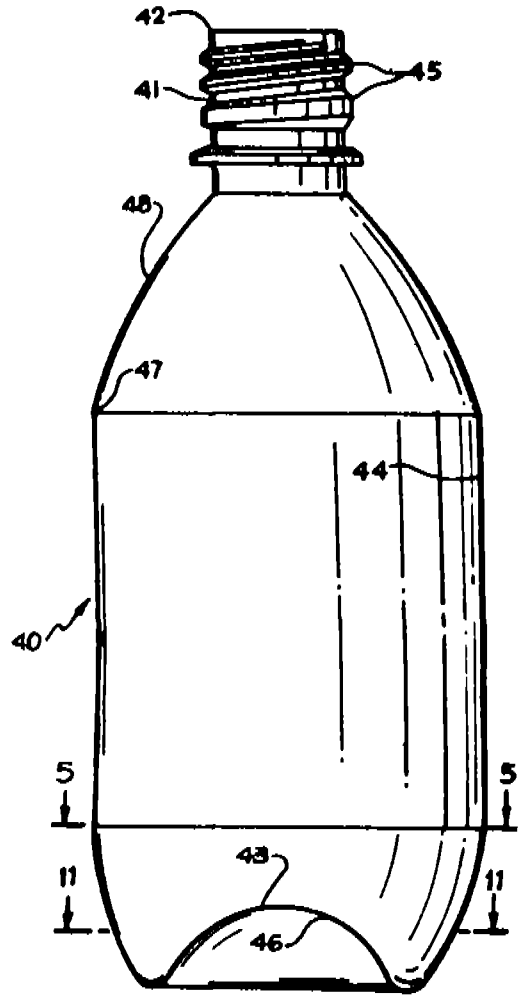


Fig. 4

Compl. Specn. 18 Pages. Drgs. 4 Sheets.

CLASS : 163-D 168243
Int. Cl. : F 25 b 31/02.

COMPRESSOR UNIT COMPRISING A SCREW COMPRESSOR OR THE LIKE.

Applicant : HOERBIGER VENTILWERKE AKTIENGESELLSCHAFT, OF BRAUNHUBERGASSE 23, A-1110, VIENNA, AUSTRIA.

Inventors : HANS HRABAL.

Application No. 96/Cal/1988 filed on February, 04, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A compressor unit comprising a screw compressor (2) or the like, and a drive motor (1) which is connected for drive purposes to the compressor by way of an engageable and disengageable clutch and can be temporarily stopped in order to control throughout of the screw compressor (2) (Intermittent control), during which the drive connection to the screw compressor (2) is interrupted by the clutch, characterized in that the clutch inserted between the drive motor (1) and screw compressor (2) is a centrifugal clutch (3) comprising a driving clutch member (17) and a driven clutch member (18), between the two clutch members there being disposed discs side by side in the form of friction plates and of which the inner discs (23) are connected to the driving clutch member (17) such that they rotate therewith but are axially displaceable thereto, and the outer discs (28) disposed alternate to the inner discs (23) are connected to the driven clutch member (18) such that they rotate therewith but are axially displaceable thereto, there being provided a control chamber (21) comprising a presser plate (36) which is displaceable towards the friction plates by means of centrifugal weights in the control chamber (21).

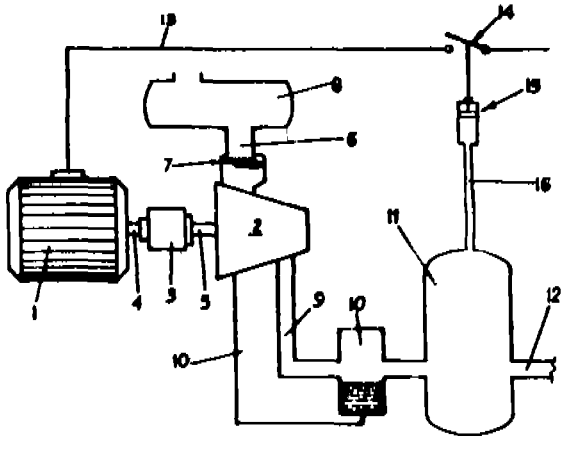


Fig. 1

Compl. Specn. 17 Pages. Drgs. 2 Sheets.

CLASS : 106 168244
Int. Cl. : B 05 b 1/00.

CARTRIDGE FOR INJECTING A MIXTURE OF TWO LIQUID CONSTITUENTS.

Applicant : ETABLISSEMENTS MOREL—ATELIERS ELECTROMECANIQUES DE FAVIERS, OF 28170 CHATEANEUF-EN-THYMERAIS, FAVIERS CIDEX 0729, FRANCE.

Inventors : (1) JACQUES MOREL, (2) DIDIER MOREL.

Application No. 631/Cal/1988 filed on July 29, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

13 Claims

A cartridge for injecting a mixture of two liquid constituents, comprising a reservoir (1) which has a compartment (2) for one of the constituents and a compartment (3) for the other constituent and means for propelling these two constituents toward a mixing chamber (4) which opens to the outside by way of an outlet opening (5), the reservoir (1) comprising two concentric cylindrical compartments (2, 3), respectively containing the first and the second constituent, a piston (6, 7) being mounted in sliding manner in each of the two compartments (2, 3), the two pistons (6, 7) comprise an annular piston (7) mounted in the exterior compartments (3), of complementary annular section, this annular piston (7) surrounding the second piston (6), which is mounted in the interior cylindrical compartment (2), which is surrounded by the exterior compartment, these two pistons (6, 7) being connected to one another such that it is possible to slide them simultaneously, wherein the annular piston (7) is carried by a tube (12) of which the diameter is greater than the diameter of the interior compartment (2), wherein the second piston (6) is carried by a tube (14) of which the diameter is smaller than the diameter of the interior compartment (2), wherein the ends of these two tubes (12, 14) opposite the pistons (6, 7) are connected to one another, wherein, inside the tube (14) carrying the second piston (6), there is mounted a screw (16) which is screwed into a nut (17) which is secured to the two ends (12a, 14a) of the tubes (12, 14) opposite the pistons, wherein this screw (16) comprises an element (18) which is capable of bearing against a stop (19) located beyond the nut (17), this stop (19) being secured to a body (20) which is connected to the end (1a) of the reservoir (1) which is adjusted to the annular piston (7), means being provided to slide the two pistons (6, 7) simultaneously, and wherein each of the compartments (2, 3) opens into a common mixing chamber (4) which comprises partitions (8, 9) defining a sinuous path of the mixture of the two constituents between the two compartments (2, 3) and the outlet opening (5) of the mixing hamber (4).

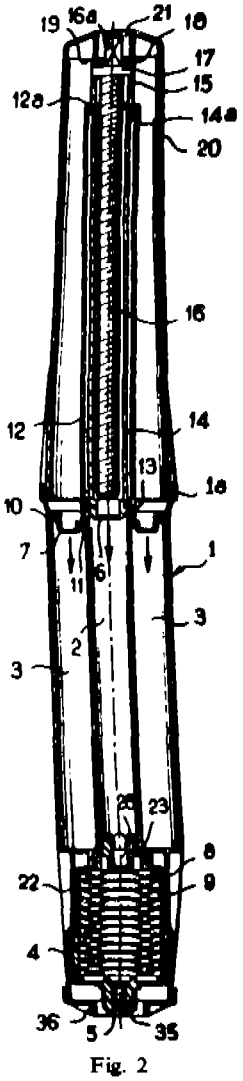


Fig. 2

Compl. Specn. 15 Pages. Drgs. 3 Sheets.

Cl. : 49-H 168245
Int. Cl. : A 47 j 27/04, 27/08, 27/12.

IMPROVEMENTS IN COOKWARE.

Applicant & Inventor : GUR CHARAN SAINI, OF B-66, BANGUR AVENUE, CALCUTTA-700055, WEST BENGAL, INDIA.

Application No. 418/Cal/1988 filed on May, 25 1988.

Complete Specification left on 23rd August, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

A pressure cooker attachment comprising a cooking vessel, having at the bottom thereof, a centrally disposed, inverted cup-shaped chamber provided with perforations for the ingress of steam and being adapted to house the vent weight and vent tube unit of the pressure cooker on which the said cooking vessel is capable of being mounted for receiving therefrom, the residual thermal energy in the form of high pressure steam intermittently released by the said vent weight and vent tube unit, together with the conductive and radiant heat dissipated by the body of the said pressure cooker, a whistle for producing loud audio signals, an idli-making unit functioning solely on the aforesaid residual thermal energy, an auxiliary cooking vessel for heating liquid foods by way of indirect contact with steam and a pressure-responsive lid for retaining a pre-determined steam pressure therein.

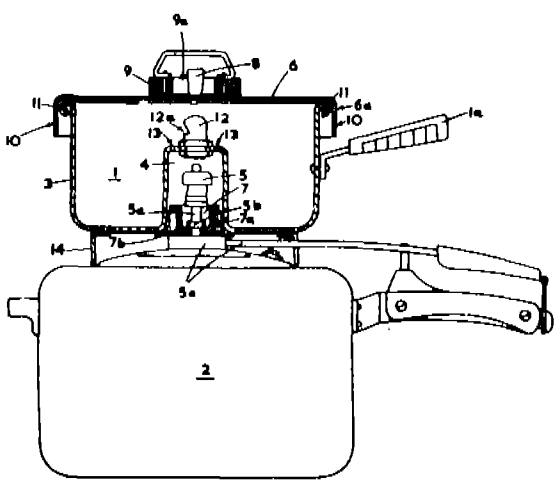


Fig. 2

Compl. Specn. 12 Pages. Drgs. 3 Sheets.
Provl. Specn. 8 Pages. Drg. Nil.

CLASS : 31-A 168246
Int. Cl. : H 01 g 4/32.

WOUND CAPACITOR IMPEDANCE DEVICE.

Applicant : DUCATI ENERGIA S.P.A., OF VIA MARCO EMILIO LEPIDO 182, 401323 BOLOGNA, ITALY.

Inventors : (1) BIONODI ASTORRE, (2) REGAZZI GIANNI; (3) TURA DANTE.

Application No. 436/Cal/1988 filed on May 27, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

Wound capacitor-impedance device, as capacitive-inductor means (IB), coaxially associated with induction means (1A), to be utilized in an ignition circuit to generate sparks for an ignition system in internal combustion engines, said capacitive-inductor means (IB) being in the form of a coil, comprising two metallic conductor sheets or layers (B, B') wound in a roll and being electrically insulated from each other, the sheets or layers (B, B') having electric conductors, wherein :

—said capacitive-inductor means (IB) is placed internally to said induction means (1A);

—said electrical conductors are placed as follows :

—a first conductor (1) is placed at one extremity of one of said metallic conductor sheets or layer (B);

—a second and a third conductor (2, 3) are placed at the diametrical opposed extremities of the other of said metallic conductor sheets or layers (B');

—the second and third conductor (2—3) being connected to a generator (G) whereby the second conductor is connected to the generator (G) via the capacitive portion (4) of said capacitive-inductor means (1B) and the first conductor (1),

—and a diode (D_3) being connected across said second and third conductors (2, 3).

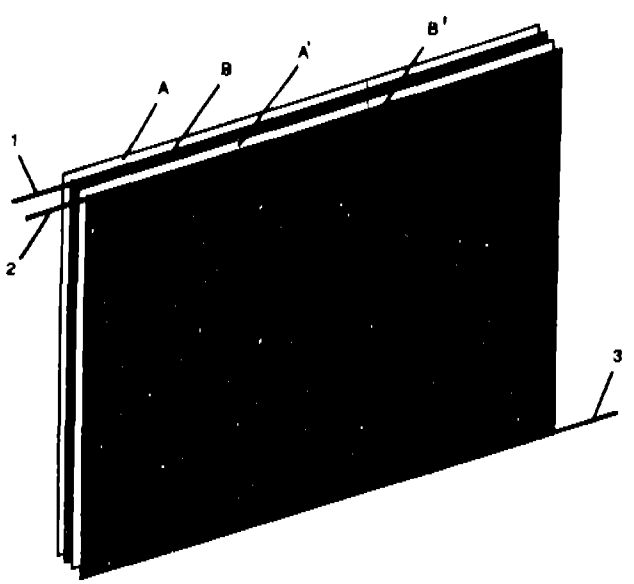


Fig. 1

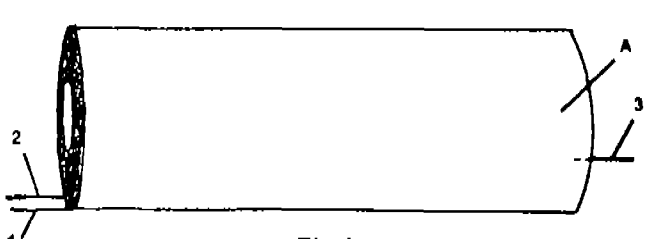


Fig. 2

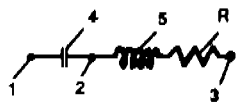


Fig. 3

Compl. Specn. 9 Pages. Drgs. 2 Sheets.

CLASS : 141-A 168247
Int. Cl. : B 03 b 5/58; B 01 d 23/16.

CONCENTRATOR FOR BENEFICIATING MINERALS.

Applicant : VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY INSTITUT ZOLOTA I REDKIKH METALLOV, OF MAGADAN, ULITSA GAGARINA, 12, U.S.S.R.

Inventor : GRIGORY MAXIMOVICH PONOMAREV.

Application No. 674/Cal/1988 filed on August 08, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A concentrator for beneficiating minerals comprising : a base with a hub; a beneficiating member with a discharge hole; a shaft of the beneficiating member; a drive mechanisms including a hollow drive shaft journalled in bearings in said hub of the base in which the shaft of the beneficiating member is arranged with an eccentricity in bearings to travel about a circle of a radius equal to the eccentricity; said beneficiating member having a cylindrical housing; tapered separating trays accommodated inside the cylindrical housing one under the other and having by-pass ports having flow areas reducing from the upper to the lower tray; flexible rods connecting the cylindrical housing to the base.

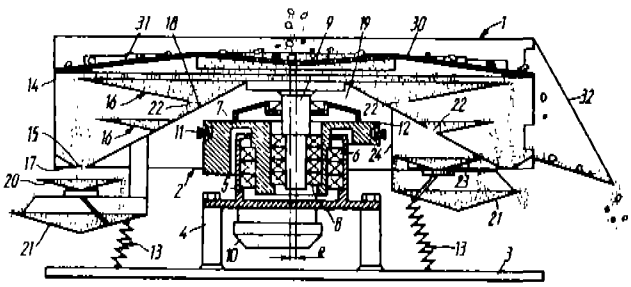


Fig. 1

Compl. Specn. 14 Pages. Drgs. 6 Sheets.

Cl. : 32-C 168248
Int. Cl. : C 07 c 67/00, 93/00, 99/00; C 07 g 17/00.

A PROCESS FOR THE PREPARATION OF A GANGLIOSIDE DERIVATIVE.

Applicant : FIDIA S.P.A., OF VIA PONTE DELLA FABBRICA, 3/A 35031 ABANO TERME, ITALY.

Inventors : (1) FRANCESCO DELLA VALLE, (2) AURELIO ROMEO.

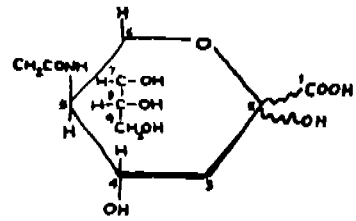
Application No. 717/Cal/1988 filed on August 26, 1988.

[Divisional of Application No. 477/Cal/85 Antedated to 26th June, 1985].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A process for the preparation of ganglioside derivative comprising treating an internal ester of a ganglioside such as herein described or a mixture thereof with an alcohol such as herein described to produce the corresponding ester in the carboxylic groups of the sialic acid resides of said ganglioside internal ester or mixture thereof.



Formula (2)

Compl. Specn. 98 Pages Drg. 1 Sheet.

CLASS : 144-B.E. 168249
Int. Cl. : C 07 c 101/12; C 09 d 3/00.

A STABLE COATING COMPOSITION HAVING LONG SHELF LIFE AND HAVING ORGANIC AMINES CONTAINING HYDROXYALKYL CARBAMATE GROUPS AND METHOD OF MAKING THE SAME.

Applicant : AMERICAN CYANAMID COMPANY, OF THE TOWNSHIP OF WAYNE, STATE OF NEW JERSEY, U.S.A.

Inventors : (1) GIRISH GIRDHAR PAREKH, (2) WILLIAM JACOBS III.

Application No. 801/Cal/1988 filed on September 26, 1988.

[Divisional of Application No. 78/Cal/1985, Anti-dated to 5th February, 1985].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

18 Claims

A stable coating composition having good shelf life comprising :

(a) a hydroxyalkyl carbamate compound of the formula of of the accompanying drawings.

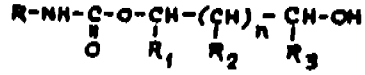


Figure (1)

wherein n=0, or 1, R is a C_1 to C_{28} organic molty which may contain one or more constituents selected from the class consisting of heteroatoms and hydroxyl groups, and each of R_1, R_2 and R_3 is independently H or CH_3;

(b) an amide-aldehyde cross-linker; and

(c) a polymer containing active sites which, at elevated temperatures are reactive with the amide-aldehyde cross-linker (b); the compound (a), the cross-linker (b) and the polymer (c) being stable relative to each other in the composition while at ambient temperature, and reactive only at elevated temperature as herein described and weherein the components (a) — (c) thereof are present in weight proportiona, based on the weight of resin solids for the resinous components, of from 1 to 50 parts of the hydroxyalkyl carbamate compound (a); from about 5 to 50 parts of the cross-linker (b); and from about 40 to 94 parts of the polymer (c).

Compl. Specn. 157 Pages. Drgs. 9 Sheets.

CLASS : 140-A2 168250
Int. Cl. : C 10 m 135/02.

A LIQUID LUBRICATING COMPOSITION HAVING IMPROVED ANTIOXIDANT CHARACTERISTICS.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BLVD. WICKLIFFE, OHIO 44092, U.S.A.

Inventor : REED HUBER WALSH.

Application No. 1031/Cal/1988 filed on December 15, 1988.

[Divisional of Application No. 739/Cal/1985 Ante-dated to 16th October, 1985].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

15 Claims

A liquid lubricating composition having improved anti-oxidant characteristics, nitrile seal compatibility and acceptable colour characteristics comprising a lubricating oil as herein described and 0.01 to 20% by weight of an additive material having at least one sulfurized mixture of :

(a) at least one terpene compound as herein described and

(b) at least one other olefinic compound as herein described, said sulfurized mixture having been prepared in a manner as hereinbefore described,

said additive material being optionally diluted with a substantially inert normally liquid medium selected from a liquid diluent as herein described to form an additive concentrate, with the proviso that said additive material forms from 20—90% by weight of said additive concentrate and forms a minor constituent of not more than 30% by weight of said lubricating oil and weherein the equivalent ratio of (A) to (B) is from 1 : 20 to 10 : 1.

Compl. Specn. 48 Pages. Drg. Nil

REGISTRATION OF ASSIGNMENTS, LICENCE ETC.

(DESIGN)

Assignments, licence or other transaction affecting to the interest of the original proprietors have been registered in the present case. The name of the Regd. Prop. of the design under reference is as follows :

Design No. 153343 — Bansal Plastic Industries, C-7, Wazirpur Industrial Area, Delhi. 110052. Ram Kumar Bansal & Smt. Suman Bansal.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration in the entry.

Class 1 No. 162248. Suraj Metal Industries of P.O. Veraval (Taluka : Kotda Sangani, Dist : Rajkot), Gujarat, India, Indian Partnership Firm. "Top cover ring of wick stove". June 26, 1990.

Class 1 No. 162357. Dwight Darling of R.R. No. 1, Brockville, Ontario, K6V 5TI, Canada, Canadian. "World clock" July 25. 1990.

Class 3 No. 162345. Gold Coin Plastics, Podar Bhavan, Parekh Lane, Kandivali (West), Bombay-67, Maharashtra, India, Indian Partnership Firm. "Flask". July 19, 1990.

Class 3 No. 162347. G. K. Industries, 2202, Shanker Street, Masjid Khajoor, Delhi-110006, India, Indian Proprietory Firm. "Camera". July 19, 1990.

Class 3 No. 162349. Hindustan Lever Ltd. of Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-400020, Maharashtra, India. "Two piece flip top cap for bottles". July 23, 1990.

Class 3 No. 162356. Jagatjit Industries Ltd. of 5th floor, Bhandari House, 91-Nehru Place, New Delhi-110019, India. "Jar". July 25, 1990.

Class 3 No. 162500. Castrol Ltd., a British Company of Burmah House, Pipers Way, Swindon, Wiltshire SN3 1RE, U.K. "Container". September 13, 1990.

Class 3 No. 162596 and 162597. British Telecommunications public limited company, a British Company of 81, Newgate Street, London EC1A 7 AJ, England. "Electrical connector" Priority date April 23, 1990. (UK).

Class 3 No. 162694. Hawkins Cookers Ltd., F-101 Maker Towers, P.O. Box 16083, Cuffe Parade, Bombay 400005, Maharashtra, India, Indian Company. "Handle for lid of preasure cooker". November 27, 1990.

Class 4 No. 162533. Glaxo Group Ltd., British Company of Clarges House, 6/12, Clarges Street, London W1Y 8DH, England, "Bottle". Priority date April 2, 1990 (UK).

Class 12 No. 162341. Surinder Kumar indian proprietor of M/s. Surindera Fabricators of 100 (88/1), Mukesh Nagar, Shahdara, Delhi-110032, India. "Crash Helmets". July 18, 1990.

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